

EXHIBIT 6

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**



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Application of Pacific Gas and Electric
Company to Recover Costs Recorded in the
Catastrophic Event Memorandum Account
Pursuant to Public Utilities Code Section
454.9

(U 39 E)

Application No. 16-__-__
A1610019

APPLICATION OF PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)

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Pursuant to Public Utilities Code Section 454.9,^{1/} Resolution E-3238,^{2/} Resolution ESRB-4,^{3/} and the Rules of Practice and Procedure of the California Public Utilities Commission (CPUC or Commission), Pacific Gas and Electric Company (PG&E) submits this Application to recover costs recorded in its electric and gas Catastrophic Event Memorandum Accounts (CEMA) associated with 16 catastrophic events (CEMA Events) that occurred between December 2012 and March 2016.

1/ Public Utilities Code Section 454.9 states:

- (a) The commission shall authorize public utilities to establish catastrophic event memorandum accounts and to record in those accounts the costs of the following:
 - (1) Restoring utility services to customers.
 - (2) Repairing, replacing, or restoring damaged utility facilities.
 - (3) Complying with governmental agency orders in connection with events declared disasters by competent state or federal authorities.
- (b) The costs, including capital costs, recorded in the accounts set forth in subdivision (a) shall be recoverable in rates following a request by the affected utility, a commission finding of their reasonableness, and approval by the commission. The commission shall hold expedited proceedings in response to utility applications to recover costs associated with catastrophic events.

2/ Resolution E-3238, adopted July 24, 1991, predated the 1994 enactment of Public Utilities Code Section 454.9, and originally authorized the establishment of the CEMA and the requirement to file an application to seek recovery of reasonable costs recorded in the CEMA.

3/ Resolution ESRB-4, adopted June 12, 2014, authorized utilities to recover incremental costs for drought-mitigation efforts through the CEMA after February 18, 2014.

I. INTRODUCTION

From 2012 to March 2016, catastrophic events damaged PG&E electric and gas facilities across its service territory and, in the case of the ongoing drought emergency, required PG&E to undertake proactive measures to mitigate the risk of fire ignition from and damage to its electric distribution facilities. PG&E recorded the costs of responding to these catastrophic events in its electric and gas Catastrophic Event Memorandum Accounts (CEMA). In this Application, PG&E requests authorization to recover electric distribution, gas distribution, and gas transmission expense and capital revenue requirements associated with responding to the following CEMA Events.

- 2012 December Severe Storm
- 2013 Rim Fire
- 2013 Clover Fire
- 2014 Butts Fire
- 2014 Eiler Fire
- 2014 Napa Earthquake
- 2014 Bridge Fire
- 2014 King Fire
- 2014 Courtney Fire
- 2014 December Severe Storms
- 2015 February Severe Storms
- 2015 July Severe Storms
- 2015 Wildfires, including the following:^{4/}
 - Tassajara Fire;
 - Rough Fire;
 - Jerusalem Fire;
 - Valley Fire;
 - Parkhill Fire;

^{4/} PG&E is not seeking recovery of Butte Fire costs in this Application.

- Olive Tree Fire;
- Sky Fire;
- Wragg Fire;
- Tesla Fire
- Corrine Fire;
- Oak and Hill Fire;
- Rocky Fire;
- Swedes Fire;
- Lumpkin Fire;
- Kyburz Fire;
- Mallard Fire;
- Sky (Rd 632) Fire; and
- Lowell Fire;
- 2015 October Severe Storms
- 2016 March Severe Storms
- 2015 Drought

In the prepared Testimony accompanying this Application, PG&E describes the CEMA-eligible costs recorded through August 31, 2016, incurred in relation to the CEMA Events.

Consistent with Commission Decision (D.) 07-07-041, PG&E is only seeking recovery of costs for the areas for which an authority declared an emergency (proclaimed or declared emergency areas or counties) — referred to throughout this Application as “CEMA-eligible costs.”

Likewise, consistent with past CEMA applications and Commission decisions, PG&E has adjusted its CEMA eligible costs to exclude employee benefits associated with labor expense and capitalized Administrative and General (A&G) costs charged to capital orders in order to determine the “CEMA-eligible incremental costs.”^{5/}

For the sixteen CEMA Events combined, PG&E seeks to recover revenue requirements associated with \$117.276 million in CEMA-eligible incremental expense costs and \$78.492

^{5/} PG&E received no insurance payments for the 16 CEMA events included in this application.

million in CEMA-eligible incremental capital costs. Table 1-1 summarizes the CEMA-eligible incremental expense and capital costs incurred for each of the 16 CEMA Events.

**TABLE 1-1
CEMA-ELIGIBLE INCREMENTAL COSTS**

Line No.	Testimony Event	Expense (\$000s)	Capital (\$000s)	Total (\$000s)
1	2012 December Severe Storm	\$356	\$187	\$543
2	2013 Rim Fire	1,270	2,590	3,861
3	2013 Clover Fire	300	1,903	2,203
4	2014 Butts Fire	—	114	114
5	2014 Eiler Fire	875	528	1,403
6	2014 Napa Earthquake	7,340	10,243	17,584
7	2014 Bridge Fire	48	127	175
8	2014 King Fire	392	882	1,274
9	2014 Courtney Fire	246	914	1,160
10	2014 December Severe Storms	15,104	14,081	29,185
11	2015 February Severe Storms	5,927	4,168	10,095
12	2015 July Severe Storms	169	1,022	1,191
13	2015 Wildfires	44,442	35,822	80,264
14	2015 October Severe Storms	220	950	1,170
15	2016 March Severe Storms	6,531	4,960	11,491
16	2015 Drought	34,055	—	34,055
17	Total	\$117,276	\$78,492	\$195,768

PG&E requests authorization to recover \$141.212 million in CEMA electric distribution, gas distribution, and gas transmission expense and capital revenue requirements in 2018, and continue to recover capital until rolled into rate base, estimated to constitute \$6.006 million in electric distribution and gas distribution^{6/} capital revenue requirements in 2019. PG&E proposes to recover these revenue requirements as follows:

- For the authorized CEMA expense costs, PG&E proposes to recover the expense revenue requirements in rates over a 12-month period beginning on January 1, 2018 (or as soon thereafter as possible following a final decision in this proceeding), as part of its Annual Electric True-Up (AET) and Annual Gas

^{6/} As PG&E's next Gas Transmission and Storage (GT&S) rate case is currently slated for a TY 2019, this Application assumes that gas transmission capital will be rolled into rate base as of 2019.

True-Up (AGT) advice letter filings, respectively.

- For the authorized CEMA Capital costs, PG&E proposes to recover the capital revenue requirements for all years the capital was operational/used and useful through the end of 2017, plus the capital revenue requirement for the year 2018, in rates beginning on January 1, 2018 (or as soon thereafter as possible following a final decision in this proceeding), as part of its AET and AGT advice letter filings, respectively.
- PG&E proposes to continue recovering the capital revenue requirements for the authorized electric distribution and gas distribution CEMA capital costs after 2018, through the AET and AGT, respectively, until PG&E's next General Rate Case (GRC), currently slated for a Test Year (TY) 2020, at which point PG&E proposes to roll the authorized CEMA electric distribution and gas distribution capital into the GRC rate base.
- PG&E proposes to continue recovering the capital revenue requirement for the authorized gas transmission CEMA capital costs after 2018, through the AGT until PG&E's next Gas Transmission and Storage Rate case, currently slated for TY 2019, at which point PG&E proposes to roll the authorized CEMA gas transmission capital into the Gas Transmission and Storage (GT&S) rate base.

Table 1-2 provides a summary of PG&E's 2018 and 2019 revenue requirements by CEMA event.

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TABLE 1-2
2012-2019 REVENUE REQUIREMENTS BY CEMA EVENT
(THOUSANDS OF DOLLARS)

Line No.	CEMA Event	2018 ^(a)			2019		
		Expense	Capital	Total	Expense	Capital	Total
	<u>Electric Distribution</u>						
1	2012 December Severe Storm	366	75	441	-	-	-
2	2013 Rim Fire	1,302	827	2,130	-	-	-
3	2013 Clover Fire	307	601	908	-	1	1
4	2014 Butts Fire	-	25	25	-	-	-
5	2014 Eiler Fire	559	108	666	-	1	1
6	2014 Napa Earthquake	1,971	252	2,223	-	3	3
7	2014 Bridge Fire	49	11	60	-	-	-
8	2014 King Fire	402	168	570	-	2	2
9	2014 Courtney Fire	252	105	357	-	3	3
10	2014 December Severe Storms	15,449	2,506	17,955	-	356	356
11	2015 February Severe Storms	6,073	1,614	7,687	-	488	488
12	2015 July Severe Storms	174	341	515	-	121	121
13	2015 Wildfires	45,291	11,021	56,312	-	4,272	4,272
14	2015 October Severe Storms	225	285	510	-	113	113
15	2016 March Severe Storms	6,677	1,268	7,946	-	601	601
16	2015 Drought	34,868	(0)	34,868	-	-	-
	subtotal	113,966	19,207	133,172	-	5,962	5,962
	<u>Gas Distribution</u>						
17	2014 Eiler Fire	321	(0)	321	-	-	-
18	2014 Napa Earthquake	4,683	1,217	5,900	-	44	44
19	2014 December Severe Storms	30	(0)	30	-	-	-
20	2015 Wildfires	189	0	189	-	-	-
	subtotal	5,223	1,217	6,440	-	44	44
	<u>Gas Transmission</u>						
21	2014 Eiler Fire	19	(0)	19	-	-	-
22	2014 Napa Earthquake	901	670	1,571	-	-	-
23	2015 Wildfires	9	0	9	-	-	-
	subtotal	930	670	1,599	-	-	-
24	Total	120,118	21,093	141,212	-	6,006	6,006

(a) Cumulative Revenue Requirement (RRQ) to be recovered in 1/1/2018 is the summation of the total RRQ from years 2012 to 2018, including interest and franchise fees and uncollectibles.

Prior to the next GRC and GT&S rate cases, the cost recovery for all approved incremental expenditures will occur through the following rate mechanisms and will be updated annually through the AET and AGT advice letter filings:

- Authorized incremental CEMA Electric Distribution capital and expense costs – Distribution Revenue Adjustment Mechanism (DRAM);
- Authorized incremental CEMA Drought activities expense costs – DRAM;
- Authorized incremental CEMA Gas Transmission capital and expense costs – Gas Transmission Core Fixed Cost Subaccount of the Core Fixed Cost Account

(CFCA) and the Noncore Subaccount of the Noncore Customer Class Charge Account (NCA); and

- Authorized incremental CEMA Gas Distribution capital and expense costs – Gas Distribution Cost Subaccount of the CFCA and the Distribution Subaccount of the NCA.

Rates set to recover CEMA costs will be set in the same manner as rates that are set to recover other electric distribution, gas distribution, and gas transmission costs using existing methodologies for revenue allocation and rate design. The revenue requirement has been calculated to conform to this proposal and is presented in the work papers accompanying the prepared Testimony.

II. OVERVIEW OF TESTIMONY

PG&E's CEMA Application is supported by the accompanying prepared Testimony. Chapter 1 of the Testimony (Introduction and Policy) provides a summary of PG&E's dollar request, an overview of the other chapters of testimony, background information about the establishment of the CEMA, a description of the CEMA Directives, a discussion of the CPUC independent audit of costs associated with the CEMA Activities, and an explanation of the adjustment of CEMA costs. Chapters 2, 3, and 4 provide more details regarding the CEMA Events and PG&E's response to the CEMA Events with regard to Electric Distribution, Drought-Mitigation, and Gas Transmission and Distribution, respectively. Chapter 5 describes PG&E's methodology to determine the CEMA-eligible incremental costs for the CEMA Events. Chapter 6 describes PG&E's methodology to calculate the revenue requirements for the CEMA-eligible costs included in this CEMA Application. In this Application and Testimony, PG&E is not seeking recovery of costs associated with its electric transmission facilities as these facilities are not subject to cost recovery under CPUC jurisdiction.

III. ESTABLISHMENT OF THE CEMA

A. Authorization to Establish the CEMA

In response to the Loma Prieta earthquake that struck northern California in October

1989, the Commission adopted Resolution E-3238, which authorized regulated public utilities to establish CEMAs and to record in those accounts the costs of: “(a) restoring utility service to its customers; (b) repairing, replacing or restoring damaged utility facilities; and (c) complying with government agency orders resulting from declared disasters.”^{7/} Pursuant to Resolution E-3238, OP 2, should a declared disaster occur, each affected utility which has previously established a CEMA shall, if possible, inform the Executive Director by letter within 30 days after the catastrophic event if it has started booking costs in the CEMA. In addition to direct expenses, Resolution E-3238 authorizes utilities to record “capital related costs such as depreciation and return on capitalized [plant] additions” resulting from the restoration activities into such memorandum accounts.^{8/}

Public Utilities Code (PUC) Section 454.9 established the statutory authority for public utilities to establish gas and electric CEMAs and to recover any reasonable costs incurred when responding to catastrophic events. Pursuant to Section 454.9, PG&E is allowed to seek cost recovery for all direct expenses and capital related costs for “restoring utility service to customers,” “repairing, replacing, or restoring damaged utility facilities,” and “[c]omplying with governmental agency orders in connection with events declared disasters by competent state or federal authorities.”^{9/} Direct expenses include straight time labor, overtime labor, contract labor, and materials and supplies expenses. Capital related expenditures result when the utility spends funds on capital projects that are necessary to replace, augment, or support its existing utility plant.

Consistent with this regulatory and statutory authority, PG&E established its CEMAs, Electric Preliminary Statement Part G and Gas Preliminary Statement Part AC, to “recover the costs associated with the restoration of service and PG&E facilities affected by a catastrophic event declared a disaster or state of emergency by competent federal or state authorities.”

^{7/} Resolution E-3238, p. 1 and p. 5, OP 1.

^{8/} Resolution E-3238, p. 2.

^{9/} Pub. Util. Code Section 454.9(a).

PG&E's CEMAs authorize PG&E to record Operations and Maintenance and A&G expenses and capital costs to the CEMA associated with the restoration of service and PG&E facilities affected by a declared disaster.

B. Determination of CEMA-Eligible Costs

PG&E employs the criteria and guidance from Resolution E-3238 and PUC Section 454.9 to determine the costs eligible for CEMA recovery. Resolution E-3238 provides that “[w]hile costs incurred for repairs may well be significant, they may not necessarily all be properly recoverable from ratepayers. Recovery may be limited by consideration of the extent to which losses are covered by insurance, the level of loss already built into existing rates, and possibly other factors relevant to the particular utility and event.”^{10/} In compliance with this directive, in determining the eligible costs to be recorded in the CEMA, PG&E reviewed the costs to ensure that these costs were not duplicative of the items included in the revenues requested and authorized in PG&E's 2011 GRC, 2014 GRC, Gas Accord V, 2015 GT&S rate case, and other proceedings. Additionally, PG&E also confirmed that it has received no insurance payments as a result of the 16 CEMA events for which PG&E is seeking cost recovery in this Application.

Resolution E-3238 authorizes PG&E to record incremental catastrophic event repair and restoration costs as well as costs associated with complying with government orders in connection with declared state and federal disasters in its CEMA. The term “incremental costs” applies to both capital and operating expenses incurred as a result of the CEMA Events. Incremental costs are costs that are not funded through existing rates. Only those costs to restore service, repair or replace damaged facilities, or comply with government orders in connection with the CEMA Events are recorded in the CEMA.

As a standard practice, PG&E's GRC and GT&S rate cases include a forecast for work performed in response to “normal” or “major” emergencies, but not for extraordinary or

^{10/} Resolution E-3238, pp. 2 3.

catastrophic storms, fires, or earthquakes. Costs associated with such catastrophic events cannot by definition be forecast and thus are not included in a GRC or GT&S rate case. Costs associated with catastrophic events are recovered by filing an application for their recovery via the CEMA process. As a consistent practice for all catastrophic events, PG&E creates separate work orders to track all CEMA activities costs separately. These accounting practices are described in greater detail in Chapters 2, 3, 4, and 5 of this testimony.

IV. DESCRIPTION OF THE CEMA ACTIVITIES AT ISSUE IN THIS APPLICATION

The following section briefly describes the CEMA Activities that are the subject of this CEMA Application. Greater detail about these CEMA Activities is provided in the accompanying prepared Testimony.

A. 2012 December Severe Storm

Beginning on December 23, 2012, a severe storm swept across northern California. This storm damaged property, threatened transportation infrastructure, and caused extreme peril to people and property within the county of San Mateo. On March 1, 2013, Governor Brown issued a State of Emergency proclamation for San Mateo County as a result of the storm. The storm disrupted electric service to more than 20,000 customers across PG&E's service territory.

On March 27, 2013, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in San Mateo County following the severe storm that began on December 23, 2012, were being recorded to the electric CEMA.

B. 2013 Rim Fire

The Rim Fire began on August 17, 2013. This fire damaged public and district facilities, including roads and structures, and threatened residences, necessitating evacuations. On August 22, 2013, California Governor Brown issued a State of Emergency proclamation for Tuolumne County as a result of the fire. On August 23, 2013, he also declared that a State of Emergency existed within the City and County of San Francisco (CCSF). The proclamation reported that

wildfires in Tuolumne County had caused damage to electrical infrastructure serving CCSF and threatened to damage property, equipment, and resources, which could result in temporary interruption of electricity and/or water delivery. On August 29, 2013, Acting Governor and Senate President pro Tempore Darrell Steinberg declared that a State of Emergency existed in Mariposa County. The proclamation reported that in Mariposa County the wildfire was damaging public and district facilities, including roads and structures, and threatening residences, necessitating evacuations. This fire disrupted electric service to nearly 500 customers across PG&E's service territory and damaged roughly 100 PG&E electric distribution facilities throughout Tuolumne County.

On September 16, 2013, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in Mariposa County following the Rim Wildfire were being recorded to the electric CEMA.

C. 2013 Clover Fire

The Clover Fire began on September 9, 2013. This fire damaged private structures and residences and required evacuations in Shasta and Tehama counties. On September 10, 2013, the Federal Emergency Management Agency (FEMA) issued a Fire Management Assistance Declaration for the California Clover Fire (FM 5050), declaring a State of Emergency in Shasta and Tehama counties. This fire disrupted electric service to more than 2,500 customers across PG&E's service territory and damaged more than 200 PG&E electric distribution facilities throughout Shasta and Tehama Counties.

On October 8, 2013, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in the counties designated in the emergency proclamation following the Clover Wildfire were being recorded to the electric CEMA.

D. 2014 Butts Fire

The Butts Fire began on July 1, 2014. This fire damaged private residences and

outbuildings in Napa County and required evacuations. On July 2, 2014, the FEMA issued a Fire Management Assistance Declaration for the California Butts Fire (FM 5057), proclaiming a State of Emergency in Napa County. This fire disrupted electric service to more than 200 customers across PG&E's service territory and damaged 8 PG&E electric distribution facilities throughout Napa County.

On July 31, 2014, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with repair of damaged electric distribution facilities and restoration of service in Napa County following the Butts Wildfire were being recorded to the electric CEMA.

E. 2014 Eiler Fire

The Eiler Fire began on July 31, 2014. This fire burned thousands of acres, destroyed homes and other structures and damaged critical infrastructure. On August 2, 2014, California Governor Brown proclaimed a statewide State of Emergency due to the effects of the wildfires in El Dorado, Amador, Butte, Humboldt, Lassen, Madera, Mariposa, Mendocino, Modoc, Shasta and Siskiyou counties. This fire disrupted electric service to more than 500 customers across PG&E's service territory and damaged more than 40 PG&E electric distribution facilities throughout Shasta County.

On August 27, 2014, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with gas transmission and distribution (T&D) emergency standby activities and the repair of damaged electric distribution facilities and restoration of electric distribution service in the proclaimed-emergency counties following the Eiler Wildfire were being recorded to the electric and gas CEMAs.

F. 2014 Napa Earthquake

The Napa Earthquake, a 6.0 magnitude earthquake, occurred on August 24, 2014. On August 24, 2014, Governor Brown proclaimed a State of Emergency due to the effects of the Napa Earthquake in Napa, Solano and Sonoma counties. The Napa Earthquake damaged more than 130 electric distribution facilities throughout the counties of Napa and Sonoma. PG&E

repaired over 1,300 leaks and replaced approximately 21,000 feet of gas main on its gas distribution system and repaired 4 leaks and replaced over 400 feet of transmission pipe on the gas transmission system throughout Napa, Solano, and Sonoma counties.

On September 23, 2014, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with the restoration of electric distribution and gas T&D service following the Napa Earthquake were being recorded to PG&E's electric and gas CEMAs. PG&E submitted a revised letter to the Executive Director on September 25, 2014, to revise the earthquake magnitude from magnitude 6.1 to magnitude 6.0. Subsequently, on September 1, 2015, PG&E submitted a letter to the Executive Director updating the forecast to complete the repair and restoration activities associated with the Napa Earthquake.

G. 2014 Bridge Fire

The Bridge Fire began on September 5, 2014. On September 5, 2014, FEMA issued a Fire Management Assistance Declaration for the California Bridge Fire (FM 5077) declaring a State of Emergency in Mariposa County. This fire disrupted electric service to nearly 400 customers across PG&E's service territory and damaged 20 PG&E electric distribution facilities throughout Mariposa County.

On October 1, 2014, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in Mariposa County following the Bridge Wildfire were being recorded to the electric CEMA.

H. 2014 King Fire

The King Fire began on September 13, 2014. This fire damaged private residences and outbuildings in El Dorado County and required road closures and evacuations. On September 17, 2014, FEMA issued a Fire Management Assistance Declaration for the California King Fire (FM 5081), declaring a State of Emergency in El Dorado County. This fire disrupted electric

service to more than 300 customers across PG&E's service territory and damaged nearly 20 PG&E electric distribution facilities throughout El Dorado County.

On October 13, 2014, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in El Dorado County following the King Wildfire were being recorded to the electric CEMA.

I. 2014 Courtney Fire

The Courtney Fire began on September 14, 2014. This fire damaged private residences and outbuildings in Madera County and required road closures and evacuations. On September 14, 2014, FEMA issued a Fire Management Assistance Declaration for the California Courtney Fire (FM 5078), proclaiming a State of Emergency in Madera County. This fire disrupted electric service to more than 1,100 customers across PG&E's service territory and damaged nearly 200 PG&E electric distribution facilities throughout Madera County.

On October 13, 2014, PG&E submitted a letter to the Commission's Executive Director, Paul Clanon, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in Madera County following the Courtney Wildfire were being recorded to the electric CEMA.

J. 2014 December Severe Storms

Beginning on November 30, 2014, a series of severe storms swept across California, bringing high winds, substantial precipitation, and flooding. These storms harmed people and property by damaging public and private facilities, forcing the evacuation of residents, and requiring the opening of emergency shelters. On December 22, 2014, Governor Brown issued a State of Emergency proclamation for Marin, Mendocino, San Mateo, and Ventura counties as a result of these severe storms. Subsequently, on March 2, 2015, Governor Brown issued a second State of Emergency proclamation for these severe storms for the additional counties of Alameda, Contra Costa, Del Norte, Humboldt, Lake, Los Angeles, Monterey, Orange, San Francisco, Santa Clara, Shasta, Sonoma, Tehama, and Yolo. These storms disrupted electric and gas service to

more than 700,000 electric and gas customers across PG&E's service territory and damaged more than 500 PG&E electric and gas distribution facilities throughout the designated counties.

On January 21, 2015, PG&E submitted a letter to the Commission's Executive Director, Timothy Sullivan, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in the proclaimed-emergency counties were being recorded to PG&E electric CEMA. On April 1, 2015, PG&E submitted a second letter to the Executive Director providing notice that costs associated with the repair of damaged electric and gas distribution facilities and restoration of electric and gas distribution service in the original and additional proclaimed-emergency counties following the severe storms that began on November 30, 2014, were being recorded to the electric and gas CEMAs.

K. 2015 February Severe Storms

Beginning on February 6, 2015, a series of severe storms swept across California bringing high winds and substantial precipitation. These storms caused mudflows, debris, floods, and erosion. On May 19, 2015, Governor Brown issued a State of Emergency proclamation for Humboldt, Mendocino and Siskiyou counties as a result of these storms. These storms disrupted electric service to more than 400,000 customers across PG&E's service territory and damaged nearly 500 PG&E electric distribution facilities throughout Humboldt and Mendocino counties.

On June 12, 2015, PG&E submitted a letter to the Commission's Executive Director, Timothy Sullivan, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in the proclaimed-emergency counties following the severe storms that began on February 6, 2015, were being recorded to the electric CEMA.

L. 2015 July Severe Storms

Beginning on July 18, 2015, a series of severe storms swept across central and southern California, bringing high winds, substantial precipitation, and lightning strikes. These storms caused flash flooding, mudslides, and fires ignited by lightning strikes and harmed people and property by damaging public and private facilities, forcing the evacuation of residents and

requiring the opening of emergency shelters. On July 22, 2015, Lieutenant Governor Newsom issued a State of Emergency proclamation for Imperial, Kern, Los Angeles, Riverside, San Bernardino, and San Diego counties as a result of these storms. These storms disrupted electric service to more than 180,000 customers across PG&E's service territory and damaged over 100 PG&E electric distribution facilities throughout Kern County.

On August 21, 2015, PG&E submitted a letter to the Commission's Executive Director, Tim Sullivan, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in Kern County following the severe storms that began on July 18, 2015, were being recorded to the electric CEMA.

M. 2015 Wildfires

Beginning on June 17, 2015, as a result of the severe drought conditions that have persisted in the state for several years and extreme weather, a series of wildfires ignited across California, and over the course of the 2015 wildfire season many more wildfires ignited across California. These fires burned hundreds of thousands of acres, destroyed thousands of structures, necessitated the evacuation of residents, and damaged critical infrastructure. These fires include the Tassajara Fire, Rough Fire, Jerusalem Fire, Valley Fire, Parkhill Fire, Olive Tree Fire, Sky Fire, Wragg Fire, Tesla Fire, Corrine Fire, Oak and Hill Fire, Rocky Fire, Swedes Fire, Lumpkin Fire, Kyburz Fire, Mallard Fire, Sky (Rd 632) Fire, and Lowell Fire. On July 31, 2015, Governor Brown issued a State of Emergency proclamation for the entire state of California as a result of these wildfires. The 2015 wildfires damaged over 4,100 electric distribution facilities and are estimated to have disrupted electric service to more than 38,000 customers across PG&E's service territory.

On August 28, 2015, PG&E submitted a letter to the Commission's Executive Director, Timothy Sullivan, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in PG&E's service territory following the wildfires in PG&E's service territory that began on or after June 17, 2015, were being recorded to PG&E's electric CEMA.

Subsequently on September 12, 2015, the Valley Fire ignited and spread across Lake and Napa counties. Governor Brown issued a State of Emergency proclamation for Lake and Napa counties as a result of the Valley Fire, and on September 13, 2015, issued a Fire Management Assistance Declaration (FM-5112) and a Major Disaster Declaration on September 22, 2015 (DR-4240) under the Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. sections 5121-5207 for the Valley Fire. The Valley Fire rapidly burned thousands of acres of land and damaged critical infrastructure. The Valley Fire is estimated to have damaged over 2,100 electric distribution facilities and disrupted electric service to more than 7,000 customers across PG&E's service territory.

On October 13, 2015, PG&E submitted a letter to the Commission's Executive Director, Timothy Sullivan, providing notice that costs associated with gas T&D emergency standby activities and repair of damaged electric distribution facilities and restoration of service in Lake and Napa counties following the Valley Fire were being recorded to PG&E's electric and gas CEMAs.

On January 13, 2016, PG&E submitted another letter to the Executive Director updating the gas T&D emergency standby activities costs and the repair of damaged electric distribution facilities and restoration of service costs associated with the wildfires that occurred during the 2015 fire season in PG&E's service territory on or after June 17, 2015.

N. 2015 October Severe Storms

Beginning on October 14, 2015, a series of severe storms swept across Inyo, Kern, and Los Angeles counties, bringing high winds and substantial precipitation. These storms caused dangerous flash flooding, erosion, and substantial mud and debris flows, and harmed people and property by damaging public and private facilities, forcing evacuations, and requiring the opening of emergency shelters. On February 1, 2016, Governor Brown issued a State of Emergency proclamation for Inyo, Kern, and Los Angeles counties as a result of these severe storms. These severe storms disrupted electric service to approximately 14,000 customers across

PG&E's service territory and damaged more than 100 PG&E electric distribution facilities throughout Kern County.

On March 1, 2016, PG&E submitted a letter to the Commission's Executive Director, Timothy Sullivan, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in Kern County following the severe storms that began on October 14, 2015, were being recorded in its electric CEMA.

O. 2016 March Severe Storms

Beginning on March 5, 2016, a series of severe storms swept across central and northern California, bringing high winds, substantial precipitation, and flooding. Due to the extreme drought conditions throughout the state, these storms caused dangerous flash flooding, erosion, and substantial mud and debris flows. On April 19, 2016, Governor Brown issued a State of Emergency proclamation for Alameda, Contra Costa, Del Norte, Humboldt, Mendocino, Napa, San Mateo, Santa Clara, Santa Cruz, Sonoma, and Trinity counties as a result of these severe storms. These severe storms disrupted electric service to approximately 340,000 customers across PG&E's service territory and damaged more than 280 PG&E electric distribution facilities throughout the proclaimed-emergency counties.

On May 19, 2016, PG&E submitted a letter to the Commission's Executive Director, Timothy Sullivan, providing notice that costs associated with the repair of damaged electric distribution facilities and restoration of service in the proclaimed-emergency counties following the severe storms that began on March 5, 2016, were being recorded to its electric CEMA.

P. 2015 Drought

Over the last several years, the state of California has received significantly lower than average rainfall and snowpack, putting the state in a severe drought. In January 2014, manual and electronic readings recorded the snowpack's statewide water content at about 20 percent of normal average for that time of year. As a result of the lack of rainfall and snowpack, the entire state has been facing urgent problems associated with the drought: drinking water supplies have become at risk in many California communities; fewer crops have been cultivated and farmers'

long term investments have been put at risk; low income communities heavily dependent on agricultural employment have suffered from heightened unemployment and economic hardship; animals and plants that rely on California's rivers, including many species in danger of extinction, have been threatened; and the risk of wildfires across the state has been greatly increased.

As a result of these severe drought-related impacts, on January 17, 2014, Governor Brown proclaimed a State of Emergency (Drought Emergency Proclamation) directing state officials to take actions to mitigate against conditions that could result from California's severe drought. These activities included the creation of a statewide water conservation campaign to make all Californians aware of the drought and to encourage personal actions to reduce water usage; implementation of water use reduction plans for all state agencies; and directing the California Department of Forestry and Fire Protection (CAL FIRE) to hire additional seasonal firefighters to suppress wildfires and take other needed action to protect public safety during this time of elevated fire risk.

On February 18, 2014, in response to Governor Brown's Drought Emergency Proclamation and due to the increased risk of fires in both urban and rural areas, CPUC Safety and Enforcement Division (SED) Acting Director, Denise Tyrell, sent a letter to Patrick M. Hogan, then-PG&E's Electric Operations Vice President of Asset Management. Among other activities, Acting Director Tyrell directed PG&E to "take all practicable measures necessary to reduce the likelihood of fires started by [its] facilities," which included but was not limited to "increased inspections in fire threat areas, re-prioritization of corrective action items, and modification to protective schemes."

On April 25, 2014, stressing the emergency conditions being presented by the drought, Governor Brown issued the Drought Emergency Proclamation Continuation, ordering, among other things, additional water conservation measures to be taken across the state and provided

assistance to landowners to meet their responsibilities for removing dead, dying and diseased trees to mitigate against the heightened fire risk.^{11/}

On June 12, 2014, also in response to Governor Brown's Drought Emergency Proclamation, the CPUC approved Resolution ESRB-4, which ordered all California investor owned utilities (IOU) to "take practicable measures to reduce the likelihood of fires associated with their facilities" specifying the following measures, among others, to be undertaken:

- Increasing vegetation inspections and removing hazardous, dead and sick trees and other vegetation near the IOUs' electric power lines and poles;
- Sharing resources with CAL FIRE to staff lookouts adjacent to the IOUs' property;
- Clearing access roads under power lines for fire truck access; and
- Examining and creating public-private partnerships during the state of emergency that they find necessary to reduce the likelihood of fires associated with their facilities or mitigate the impact of fires on their facilities.

In Resolution ESRB-4, OP 4, the CPUC also ordered that, "to the extent that additional funding is reasonable, and not already included or recoverable in the Investor owned Electric Utilities accounts, incremental cost recovery through the CEMAs may be sought by the IOUs after the February 18, 2014 letter from SED."

In June 2014, PG&E notified the CPUC of its cost estimate to undertake incremental measures in 2014 to reduce the likelihood of fires associated with or threatening its facilities. In May 2015, PG&E submitted Application (A.)15-05-016 requesting recovery of \$26.6 million in incremental expense for PG&E's 2014 Drought Activities. Subsequently, in April 2016, the CPUC issued D.16-04-004, approving the settlement between the Office of Ratepayer Advocates (ORA) and PG&E, which authorized recovery of \$26.2 million of PG&E's original \$26.6 million request.

^{11/} California Governor Brown's April 25, 2015 State of Emergency Proclamation Continuation for California Drought, <http://gov.ca.gov/news.php?id=18496>.

The severe impacts from the drought and the resulting drought emergency continued in 2015. In his May 4, 2015, Proclamation declaring wildfire awareness week, Governor Brown stated that “California now faces a threat of wildfire nearly year-round due to drought conditions. The California Department of Forestry and Fire Protection (CAL FIRE) has responded to a 75 percent increase in wildfires this year.” His proclamation also stated, “The men and women of CAL FIRE have answered the call for more than 967 wildfires since January 1, 2015 and stand prepared to continue their aggressive response through what is expected to be a long and dangerous fire season.”

On July 21, 2015, PG&E submitted a letter to CPUC Executive Director, Timothy Sullivan, notifying him of PG&E’s cost estimate to undertake incremental vegetation management measures in 2015 to reduce the likelihood of fires associated with or threatening its facilities as a result of the drought.

In response to the heightened fire risk and in accordance with the authorities outlined above, PG&E’s Electric Distribution Vegetation Management (VM) Team undertook five major fire risk mitigation initiatives in 2015. The five initiatives were as follows:

- **Enhanced Vegetation Inspection and Mitigation** – Additional ground and air inspection in high fire threat areas in State Responsibility Areas (SRAs), including using remote sensing technologies, to provide increased assurance that changing forest conditions will not result in vegetation and power line conflicts.
- **Wild Land Urban Interface Protection** – Additional VM inspections in Local Reliability Areas (LRAs) and providing greater clearance of poles in high fire danger LRAs.
- **Fuel Reduction and Emergency Response Access** – Funding Fire Safe Councils to support fuel reduction in high fire danger areas around PG&E’s electric distribution facilities.
- **Early Detection and Response to Wildfires and Early Detection of Forest Disease/Infection** – Continuing cooperative information sharing with universities,

CAL FIRE, and the United States Forest Service on forest health, as well as funding fire lookouts, aerial patrols, and fire detection cameras located near PG&E's electric distribution facilities.

- **Public Messaging** – Assisting CAL FIRE's messaging efforts to increase public awareness of fire risk and proper practices to reduce the potential for fire ignition and spreading.

These five initiatives reduced the likelihood of fires being ignited by or damaging PG&E electric distribution facilities by identifying and removing dry vegetation near PG&E facilities and in high fire risk areas or by supporting fire monitoring and other measures to assist emergency personnel in responding quickly to contain fires. Each of the five fire risk mitigation initiatives are described in greater detail in Chapter 3 of the prepared Testimony.

V. CPUC AUDIT OF CEMA COSTS

In addition to directing PG&E to reduce the likelihood of fires associated with its facilities, Resolution ESRB-4 also requires that the Commission select an independent auditor to review the costs associated with PG&E's 2015 Drought-Mitigation Activities, with the audit costs to be reimbursed by PG&E through ratepayer-funding.^{12/} For PG&E's 2015 CEMA Application, ORA offered to perform this audit, and the CPUC assigned ORA this responsibility. PG&E would not oppose assignment of ORA to audit the 2015 Drought-Mitigation Activities costs as an efficient measure, as ORA will likely audit all CEMA Activities as part of its traditional participation in CEMA proceedings.

VI. STATUTORY AND PROCEDURAL REQUIREMENTS

A. Statutory Authority

This Application is made pursuant to Public Utilities Code Section 454.9, Commission Resolution E-3238, and, with respect to the Drought-Mitigation activities, Commission Resolution ESRB-4.

^{12/} CPUC Res. ESRB-4, OP 4.

B. Categorization, Hearings, and Issues to be Considered (Rules 2.1(c), 7.1)

1. Proposed Category

The purpose of this Application is to request authorization to recover costs associated with the CEMA-eligible incremental costs incurred in connection with the 16 CEMA Events. This request seeks recovery of \$141.212 million in electric distribution, gas distribution, and electric transmission expense and capital revenue requirements in 2018, and continue to recover \$6.006 million in CEMA electric distribution and gas distribution capital revenue requirements. PG&E proposes that this Application be categorized as a rate-setting proceeding.

2. Need for Hearing

PG&E anticipates that hearings may be requested by other parties to this proceeding.

3. Issues to be Considered

The principal issues presented in this Application are:

- a. Whether PG&E's request to recover \$141.212 million in CEMA electric distribution, gas distribution, and gas transmission expense and capital revenue requirements in 2018, and continue to recover \$6.006 million in CEMA electric distribution and gas distribution capital revenue requirements in 2019, associated with the CEMA eligible incremental costs incurred in connection with the 16 CEMA Events, is reasonable.
- b. Whether PG&E's proposal to collect the authorized 2018 CEMA electric distribution, gas distribution, and gas transmission expense revenue requirements in rates over a twelve-month period beginning January 1, 2018 (or as soon thereafter as possible following a decision in this proceeding), as part of its AET and AGT advice letter filings, should be adopted.
- c. Whether PG&E's proposal to collect the authorized 2018 CEMA electric distribution, gas distribution, and gas transmission capital revenue requirements in rates beginning January 1, 2018 (or as soon thereafter as possible following a decision in this proceeding), as part of its AET and AGT advice letter filings, should be adopted.
- d. Whether PG&E's proposal to collect the authorized CEMA electric distribution and gas distribution capital revenue requirements until the next GRC, currently anticipated for a TY 2020, at which point PG&E will roll the authorized CEMA electric distribution and gas distribution capital into the GRC rate base, should be adopted.
- e. Whether PG&E's proposal to collect the authorized CEMA gas transmission capital revenue requirement until the next GT&S, currently anticipated for a TY 2019, at which point PG&E will roll the authorized

CEMA gas transmission capital into the GT&S rate base, should be adopted.

C. Proposed Schedule (Rule 2.1(c))

PG&E proposes the following schedule for processing this Application:

Activity	Proposed Date
Application filed and Testimony served	October 31, 2016
Protests or Responses	December 2, 2016
Reply to Protests or Responses	December 12, 2016
Prehearing Conference	December 20, 2016
Intervenor Testimony	February 21, 2017
Rebuttal Testimony	March 14, 2017
Hearings	March 29-31, 2017
Concurrent Opening Briefs Due	April 28, 2017
Concurrent Reply Briefs Due	May 19, 2017
Proposed Decision Issued	July 2017
Final Decision Issued	August 2017

D. Legal Name and Principal Place of Business (Rule 2.1(a))

Since October 10, 1905, PG&E has been an operating public utility corporation, organized under California law. It is engaged principally in the business of furnishing electric and gas service in northern and central California. Its principal place of business is in San Francisco, California. Its mailing address for this matter is Post Office Box 7442, San Francisco, California 94120. Its attorney for this matter is Alyssa Koo (415-973-3386).

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E. Correspondence and Communications Regarding this Application (Rule 2.1(b))

Communications regarding this Application should be addressed to:

Alyssa T. Koo
Pacific Gas and Electric Company
Law Department
77 Beale Street, B30A
San Francisco, CA 94105
Telephone: (415) 973-3386
Facsimile: (415) 973-5520
E-mail: ATK4@pge.com

and

Joanie Yuen
Case Manager
Pacific Gas and Electric Company
Regulatory Affairs
77 Beale Street, B9A
San Francisco, CA 94105
Telephone: (415) 415-973-5251
Facsimile: 415-973-1448
E-mail: JxYr@pge.com

F. Relevant Safety Considerations (Rule 2.1(c))

In D.16-01-017, the Commission amended Rule 2.1(c) requiring an applicant to identify all relevant safety considerations implicated by an Application to which the assigned Commissioners and presiding officer could refer to during the proceeding. In order to ensure that safety considerations have received full consideration by parties and the Commission, PG&E's prepared Testimony includes specific discussions which detail PG&E's efforts to promote public safety: Chapter 2 describes PG&E's electric distribution activities to repair electric distribution facilities damaged during catastrophic events and to restore service to customers; Chapter 3 describes PG&E's vegetation management activities to mitigate impacts of the drought, including reducing the likelihood of fire ignition associated with its facilities; and Chapter 4 describes PG&E's gas transmission and distribution activities to respond to catastrophic events by ensuring the continued safety of the gas system, repairing damaged facilities, and restoring gas service to customers.

G. Article of Incorporation (Rule 2.2)

A certified copy of PG&E's Restated Articles of Incorporation, effective April 12, 2004, was filed with the Commission on May 3, 2004, in A.04-05-005. These Articles are incorporated herein by reference.

H. Balance Sheet and Income Statement (Rule 3.2(a)(1))

PG&E's most recent balance sheet and income statement were filed on August 11, 2016, in A.16-08-006 and are incorporated by reference herein.

I. Statement of Presently Effective Rates (Rule 3.2(a)(2))

PG&E's presently effective electric and gas rates PG&E proposes to modify are set forth in Exhibit A of this Application. PG&E's current rates and charges for electric and gas service are in its electric and gas tariffs and schedules on file with the Commission. These tariffs and schedules are filed with and made effective by the Commission in its decisions, orders, resolutions, and approvals of advice letter filings pursuant to Commission General Order 96-A.

J. Statement of Proposed Rate Increases (Rule 3.2(a)(3))

The proposed increase in gas revenue is less than one percent. The proposed changes in electric revenue are set forth in Exhibit B of this Application.

K. Summary of Earnings (Rules 3.2(a)(5))

Exhibit C shows for the recorded year 2015 the revenues, expenses, rate cases and rate of return for PG&E's Electric and Gas Departments.

L. Exhibit List and Statement of Readiness

Attached to this Application are the following exhibits:

- Exhibit A: Present Rates
- Exhibit B: Proposed Changes in Electric Revenue
- Exhibit C: 2015 Summary of Earnings
- Exhibit D: Affected Governmental Entities

PG&E is contemporaneously serving its prepared direct Testimony on the parties to PG&E's last CEMA application, A.15-05-016, and on the Chief Administrative Law Judge.

PG&E's work papers will be provided to the Office of Ratepayer Advocates, and will be provided to any other interested parties upon request.

PG&E is ready to proceed with this case based on the testimony of the witnesses regarding the facts and data contained in the testimony, work papers, and exhibits in support of the revenue request set forth in this Application.

M. Most Recent Proxy Statement (Rule 3.2(a)(8))

PG&E's most recent proxy statement, dated April 11, 2016, was filed with the Commission on April 28, 2016, as Exhibit G of A. 16-04-023, and is incorporated herein by reference.

N. Type of Rate Change Requested (Rule 3.2(a)(10))

The rate change sought in this Application passes through to customers increased costs to the utility of (1) restoring utility services to customers; (2) repairing, replacing, or restoring damaged utility facilities; and (3) complying with governmental agency orders in connection with events declared disasters by competent state or federal authorities.

O. Service and Notice of Application (Rule 3.2(b-d))

A list of the cities and counties affected by the rate changes resulting from this Application is attached as Exhibit D. The State of California is also a customer of PG&E whose rates would be affected by the proposed revisions. As provided in Rule 3.2(b), a notice describing in general terms the proposed revenue increases and rate changes will be mailed to the officials identified in Exhibit D. The notice will state that a copy of this Application and related attachments will be furnished by PG&E upon written request.

Within twenty days after the filing of this Application, PG&E will publish a notice of the proposed increases in rates in a newspaper of general circulation in each county in its service territory. That notice will state that a copy of this Application and related attachments may be examined at the Commission's offices and such offices of PG&E as specified in the notice. A similar notice will be included in the regular bills mailed to PG&E's customers within 45 days of the filing date of this Application.

PG&E will e-mail a copy of this Application and the Testimony being served concurrently with the Application on the service list for A.15-05-016, PG&E's 2015 CEMA application.

VII. CONCLUSION

WHEREFORE, PG&E respectfully requests that the Commission issue a final decision:

1. Approving PG&E's request to recover to recover \$141.212 million in CEMA electric distribution, gas distribution, and gas transmission expense and capital revenue requirements in 2018, and continue to recover \$6.006 million in CEMA electric distribution and gas distribution capital revenue requirements in 2019, associated with the CEMA-eligible incremental costs incurred in connection with the 16 CEMA Events, as reasonable;
2. Adopting PG&E's proposal to collect the authorized 2018 CEMA electric distribution, gas distribution, and gas transmission expense revenue requirement in rates for a twelve-month period beginning January 1, 2018 (or as soon thereafter as possible following a decision in this proceeding), as part of its AET and AGT advice letter filings;
3. Adopting PG&E's proposal to collect the authorized 2018 CEMA electric distribution, gas distribution, and gas transmission capital revenue requirements in rates beginning January 1, 2018 (or as soon thereafter as possible following a decision in this proceeding), as part of its AET and AGT advice letter filings;
4. Adopting PG&E's proposal to collect the authorized CEMA electric distribution and gas distribution capital revenue requirements until the next GRC, currently anticipated for a TY 2020, at which point PG&E will roll the authorized CEMA electric distribution and gas distribution capital into the GRC rate base;
5. Adopting PG&E's proposal to collect the authorized CEMA gas transmission capital revenue requirement until the next GT&S, currently anticipated for a TY

2019, at which point PG&E will roll the authorized CEMA gas transmission capital into the GT&S rate base; and

6. Granting such other and further relief as the Commission deems appropriate.

Respectfully Submitted,

ALYSSA T. KOO

By: /s/ Alyssa T. Koo

ALYSSA T. KOO

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Attorneys for
PACIFIC GAS AND ELECTRIC COMPANY

Dated: October 28, 2016

VERIFICATION

I, undersigned, say:

I am an officer of PACIFIC GAS AND ELECTRIC COMPANY, a corporation, and am authorized to make this verification for that reason.

I have read the foregoing “Application Of Pacific Gas And Electric Company To Recover Costs Recorded In The Catastrophic Event Memorandum Account Pursuant To Public Utilities Code Section 454.9 A,” and I am informed and believe the matters therein are true and on that ground I allege that the matters stated therein are true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed at Concord, California this 28th day of October, 2016.

/s/ Barry Anderson
BARRY ANDERSON
Vice President, Electric Distribution Operations

EXHIBIT A

Present Rates

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

RESIDENTIAL RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE E-1			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	ES UNIT DISCOUNT (\$/UNIT/MONTH)	\$1.54	\$1.54	3
4	ET UNIT DISCOUNT (\$/UNIT/MONTH)	\$5.48	\$5.48	4
5	ES/ET MINIMUM RATE LIMITER (\$/KWH)	\$0.04892	\$0.04892	5
6	ENERGY (\$/KWH)			6
7	TIER 1	\$0.18353	\$0.18353	7
8	TIER 2	\$0.24276	\$0.24276	8
9	TIER 3	\$0.24276	\$0.24276	9
10	TIER 4	\$0.40307	\$0.40307	10
11	TIER 5	\$0.40307	\$0.40307	11

12	SCHEDULE EL-1 (CARE)			12
13	MINIMUM BILL (\$/MONTH)	\$5.00	\$5.00	13
14	ENERGY (\$/KWH)			14
15	TIER 1	\$0.12025	\$0.12025	15
16	TIER 2	\$0.14839	\$0.14839	16
17	TIER 3	\$0.21837	\$0.21837	17

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

RESIDENTIAL RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE E-6 / EM-TOU			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	E-6 METER CHARGE (\$/MONTH)	\$7.70	\$7.70	3
4	ON-PEAK ENERGY (\$/KWH)			4
5	TIER 1	\$0.34307		5
6	TIER 2	\$0.40230		6
7	TIER 3	\$0.40230		7
8	TIER 4	\$0.56171		8
9	TIER 5	\$0.56171		9
10	PART-PEAK ENERGY (\$/KWH)			10
11	TIER 1	\$0.22780	\$0.17219	11
12	TIER 2	\$0.28703	\$0.23142	12
13	TIER 3	\$0.28703	\$0.23142	13
14	TIER 4	\$0.44644	\$0.39083	14
15	TIER 5	\$0.44644	\$0.39083	15
16	OFF-PEAK ENERGY (\$/KWH)			16
17	TIER 1	\$0.15102	\$0.15536	17
18	TIER 2	\$0.21026	\$0.21459	18
19	TIER 3	\$0.21026	\$0.21459	19
20	TIER 4	\$0.36966	\$0.37400	20
21	TIER 5	\$0.36966	\$0.37400	21

22	SCHEDULE EL-6 / EML-TOU			22
23	MINIMUM BILL (\$/MONTH)	\$5.00	\$5.00	23
24	EL-6 METER CHARGE(\$/MONTH)	\$6.16	\$6.16	24
25	ON-PEAK ENERGY (\$/KWH)			25
26	TIER 1	\$0.23705		26
27	TIER 2	\$0.26627		27
28	TIER 3	\$0.38846		28
29	PART-PEAK ENERGY (\$/KWH)			29
30	TIER 1	\$0.15255	\$0.11179	30
31	TIER 2	\$0.18177	\$0.14099	31
32	TIER 3	\$0.26540	\$0.20604	32
33	OFF-PEAK ENERGY (\$/KWH)			33
34	TIER 1	\$0.09627	\$0.09944	34
35	TIER 2	\$0.12549	\$0.12865	35
36	TIER 3	\$0.18344	\$0.18806	36

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

RESIDENTIAL RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE E-7			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	E-7 METER CHARGE (\$/MONTH)	\$3.51	\$3.51	3
4	RATE W METER CHARGE (\$/MONTH)	\$1.17	\$1.17	4
5	ON-PEAK ENERGY (\$/KWH)			5
6	TIER 1	\$0.37945	\$0.16495	6
7	TIER 2	\$0.43931	\$0.22480	7
8	TIER 3	\$0.43931	\$0.22480	8
9	TIER 4	\$0.59961	\$0.38511	9
10	TIER 5	\$0.59961	\$0.38511	10
11	OFF-PEAK ENERGY (\$/KWH)			11
12	TIER 1	\$0.13130	\$0.13491	12
13	TIER 2	\$0.19115	\$0.19476	13
14	TIER 3	\$0.19115	\$0.19476	14
15	TIER 4	\$0.35146	\$0.35507	15
16	TIER 5	\$0.35146	\$0.35507	16

17	SCHEDULE EL-7			17
18	MINIMUM BILL (\$/MONTH)	\$5.00	\$5.00	18
19	EL-7 METER CHARGE(\$/MONTH)	\$0.00	\$0.00	19
20	ON-PEAK ENERGY (\$/KWH)			20
21	TIER 1	\$0.31077	\$0.12640	21
22	TIER 2	\$0.34212	\$0.15775	22
23	TIER 3	\$0.49582	\$0.22732	23
24	OFF-PEAK ENERGY (\$/KWH)			24
25	TIER 1	\$0.09748	\$0.10059	25
26	TIER 2	\$0.12883	\$0.13194	26
27	TIER 3	\$0.18520	\$0.18973	27

28	SCHEDULE E-8			28
29	CUSTOMER CHARGE (\$/MONTH)	\$12.53	\$12.53	29
30	ENERGY (\$/KWH)			30
31	TIER 1	\$0.18804	\$0.13741	31
32	TIER 2	\$0.22863	\$0.17800	32
33	TIER 3	\$0.22863	\$0.17800	33
34	TIER 4	\$0.38895	\$0.33831	34
35	TIER 5	\$0.38895	\$0.33831	35

36	SCHEDULE EL-8 (CARE)			36
37	CUSTOMER CHARGE (\$/MONTH)	\$10.02	\$10.02	37
38	ENERGY CHARGE (\$/KWH)			38
39	TIER 1	\$0.12343	\$0.08851	39
40	TIER 2	\$0.13872	\$0.10380	40
41	TIER 3	\$0.22299	\$0.17214	41

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

RESIDENTIAL RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE E-9: RATE A			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	E-9 METER CHARGE (\$/MONTH)	\$6.66	\$6.66	3
4	ON-PEAK ENERGY (\$/KWH)			4
5	TIER 1	\$0.36741		5
6	TIER 2	\$0.42728		6
7	TIER 3	\$0.42728		7
8	TIER 4	\$0.62030		8
9	TIER 5	\$0.62030		9
10	PART-PEAK ENERGY (\$/KWH)			10
11	TIER 1	\$0.15203	\$0.15191	11
12	TIER 2	\$0.21189	\$0.21175	12
13	TIER 3	\$0.21189	\$0.21175	13
14	TIER 4	\$0.40493	\$0.40480	14
15	TIER 5	\$0.40493	\$0.40480	15
16	OFF-PEAK ENERGY (\$/KWH)			16
17	TIER 1	\$0.08697	\$0.09691	17
18	TIER 2	\$0.14683	\$0.15676	18
19	TIER 3	\$0.14683	\$0.15676	19
20	TIER 4	\$0.25440	\$0.25441	20
21	TIER 5	\$0.25440	\$0.25441	21

22	SCHEDULE E-9: RATE B			22
23	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	23
24	E-9 METER CHARGE (\$/MONTH)	\$6.66	\$6.66	24
25	ON-PEAK ENERGY (\$/KWH)			25
26	TIER 1	\$0.36260		26
27	TIER 2	\$0.42247		27
28	TIER 3	\$0.42247		28
29	TIER 4	\$0.61549		29
30	TIER 5	\$0.61549		30
31	PART-PEAK ENERGY (\$/KWH)			31
32	TIER 1	\$0.14722	\$0.14764	32
33	TIER 2	\$0.20708	\$0.20748	33
34	TIER 3	\$0.20708	\$0.20748	34
35	TIER 4	\$0.40012	\$0.40054	35
36	TIER 5	\$0.40012	\$0.40054	36
37	OFF-PEAK ENERGY (\$/KWH)			37
38	TIER 1	\$0.09477	\$0.10391	38
39	TIER 2	\$0.15464	\$0.16376	39
40	TIER 3	\$0.15464	\$0.16376	40
41	TIER 4	\$0.34766	\$0.35682	41
42	TIER 5	\$0.34766	\$0.35682	42

43	SCHEDULE EV: RATE A			43
44	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	44
45	ON-PEAK ENERGY (\$/KWH)	\$0.44549	\$0.31374	45
46	PART-PEAK ENERGY (\$/KWH)	\$0.24311	\$0.19197	46
47	OFF-PEAK ENERGY (\$/KWH)	\$0.11628	\$0.11904	47

48	SCHEDULE EV: RATE B			48
49	EV-B METER CHARGE (\$/MONTH)	\$1.50	\$1.50	49
50	ON-PEAK ENERGY (\$/KWH)	\$0.43901	\$0.30685	50
51	PART-PEAK ENERGY (\$/KWH)	\$0.23988	\$0.18853	51
52	OFF-PEAK ENERGY (\$/KWH)	\$0.11581	\$0.11854	52

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

SMALL L&P RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE A-1			1
2	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.)	\$10.00	\$10.00	2
3	CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$20.00	\$20.00	3
4	ENERGY (\$/KWH)	\$0.24466	\$0.18968	4

5	SCHEDULE A-1 TOU			5
6	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.)	\$10.00	\$10.00	6
7	CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$20.00	\$20.00	7
8	ENERGY (\$/KWH)			8
9	ON-PEAK	\$0.25998		9
10	PART-PEAK	\$0.23632	\$0.21672	10
11	OFF-PEAK ENERGY	\$0.20897	\$0.19581	11

12	SCHEDULE A-6			12
13	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.)	\$10.00	\$10.00	13
14	CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$20.00	\$20.00	14
15	METER CHARGE (\$/MONTH)	\$6.12	\$6.12	15
16	METER CHARGE - RATE W (\$/MONTH)	\$1.80	\$1.80	16
17	METER CHARGE - RATE X (\$/MONTH)	\$6.12	\$6.12	17
18	ENERGY (\$/KWH)			18
19	ON-PEAK	\$0.55092		19
20	PART-PEAK	\$0.25409	\$0.20034	20
21	OFF-PEAK ENERGY	\$0.18250	\$0.18210	21

22	SCHEDULE A-15			22
23	CUSTOMER CHARGE (\$/MONTH)	\$10.00	\$10.00	23
24	FACILITY CHARGE (\$/MONTH)	\$25.00	\$25.00	24
25	ENERGY (\$/KWH)	\$0.24466	\$0.18968	25

26	SCHEDULE TC-1			26
27	CUSTOMER CHARGE (\$/MONTH)	\$10.00	\$10.00	27
28	ENERGY (\$/KWH)	\$0.18212	\$0.18212	28

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

MEDIUM L&P RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE A-10			1
2	CUSTOMER CHARGE (\$/MONTH)	\$140.00	\$140.00	2
3	MAXIMUM DEMAND CHARGE (\$/KW/MO)			3
4	SECONDARY VOLTAGE	\$17.04	\$9.67	4
5	PRIMARY VOLTAGE	\$16.13	\$9.97	5
6	TRANSMISSION VOLTAGE	\$10.27	\$6.95	6
7	ENERGY CHARGE (\$/KWH)			7
8	SECONDARY VOLTAGE	\$0.16407	\$0.12724	8
9	PRIMARY VOLTAGE	\$0.15422	\$0.12355	9
10	TRANSMISSION VOLTAGE	\$0.12027	\$0.10200	10

11	SCHEDULE A-10 TOU			11
12	CUSTOMER CHARGE (\$/MONTH)	\$140.00	\$140.00	12
13	MAXIMUM DEMAND CHARGE (\$/KW/MO)			13
14	SECONDARY VOLTAGE	\$17.04	\$9.67	14
15	PRIMARY VOLTAGE	\$16.13	\$9.97	15
16	TRANSMISSION VOLTAGE	\$10.27	\$6.95	16
17	ENERGY CHARGE (\$/KWH)			17
18	SECONDARY			18
19	ON PEAK	\$0.21892		19
20	PARTIAL PEAK	\$0.16379	\$0.13512	20
21	OFF-PEAK	\$0.13572	\$0.11806	21
22	PRIMARY			22
23	ON PEAK	\$0.20713		23
24	PARTIAL PEAK	\$0.15657	\$0.13322	24
25	OFF-PEAK	\$0.12994	\$0.11734	25
26	TRANSMISSION			26
27	ON PEAK	\$0.17008		27
28	PARTIAL PEAK	\$0.12320	\$0.11141	28
29	OFF-PEAK	\$0.09790	\$0.09684	29

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

E-19 FIRM RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE E-19 T FIRM			1
2	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$1,800.00	\$1,800.00	2
3	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$1,800.00	\$1,800.00	3
4	TOU METER CHARGE - RATES V & X (\$/MONTH)	\$140.00	\$140.00	4
5	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	5
6	DEMAND CHARGE (\$/KW/MONTH)			6
7	ON-PEAK	\$12.27		7
8	PARTIAL PEAK	\$3.08	\$0.00	8
9	MAXIMUM	\$7.83	\$7.83	9
10	ENERGY CHARGE (\$/KWH)			10
11	ON-PEAK	\$0.10558		11
12	PARTIAL-PEAK	\$0.09314	\$0.09509	12
13	OFF-PEAK	\$0.07666	\$0.08244	13

14	SCHEDULE E-19 P FIRM			14
15	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$1,000.00	\$1,000.00	15
16	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$1,000.00	\$1,000.00	16
17	TOU METER CHARGE - RATES V & X (\$/MONTH)	\$140.00	\$140.00	17
18	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	18
19	DEMAND CHARGE (\$/KW/MONTH)			19
20	ON-PEAK	\$16.67		20
21	PARTIAL PEAK	\$4.56	\$0.15	21
22	MAXIMUM	\$13.26	\$13.26	22
23	ENERGY CHARGE (\$/KWH)			23
24	ON-PEAK	\$0.14140		24
25	PARTIAL-PEAK	\$0.10344	\$0.09831	25
26	OFF-PEAK	\$0.07903	\$0.08506	26

27	SCHEDULE E-19 S FIRM			27
28	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$600.00	\$600.00	28
29	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$600.00	\$600.00	29
30	TOU METER CHARGE - RATES V & X (\$/MONTH)	\$140.00	\$140.00	30
31	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	31
32	DEMAND CHARGE (\$/KW/MONTH)			32
33	ON-PEAK	\$18.74		33
34	PARTIAL PEAK	\$5.22	\$0.13	34
35	MAXIMUM	\$16.53	\$16.53	35
36	ENERGY CHARGE (\$/KWH)			36
37	ON-PEAK	\$0.15150		37
38	PARTIAL-PEAK	\$0.11138	\$0.10589	38
39	OFF-PEAK	\$0.08481	\$0.09141	39

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

E-20 FIRM RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE E-20 T FIRM			1
2	CUSTOMER CHARGE (\$/MONTH)-FIRM	\$2,000.00	\$2,000.00	2
3	DEMAND CHARGE (\$/KW/MONTH)			3
4	ON-PEAK	\$15.75		4
5	PARTIAL PEAK	\$3.75	\$0.00	5
6	MAXIMUM	\$6.59	\$6.59	6
7	ENERGY CHARGE (\$/KWH)			7
8	ON-PEAK	\$0.10096		8
9	PARTIAL-PEAK	\$0.08883	\$0.09074	9
10	OFF-PEAK	\$0.07278	\$0.07841	10

11	SCHEDULE E-20 P FIRM			11
12	CUSTOMER CHARGE (\$/MONTH)	\$1,500.00	\$1,500.00	12
13	DEMAND CHARGE (\$/KW/MONTH)			13
14	ON-PEAK	\$19.34		14
15	PARTIAL PEAK	\$5.16	\$0.13	15
16	MAXIMUM	\$13.64	\$13.64	16
17	ENERGY CHARGE (\$/KWH)			17
18	ON-PEAK	\$0.14369		18
19	PARTIAL-PEAK	\$0.10344	\$0.09814	19
20	OFF-PEAK	\$0.07869	\$0.08477	20

21	SCHEDULE E-20 S FIRM			21
22	CUSTOMER CHARGE (\$/MONTH)	\$1,200.00	\$1,200.00	22
23	DEMAND CHARGE (\$/KW/MONTH)			23
24	ON-PEAK	\$18.14		24
25	PARTIAL PEAK	\$5.04	\$0.05	25
26	MAXIMUM	\$16.08	\$16.08	26
27	ENERGY CHARGE (\$/KWH)			27
28	ON-PEAK	\$0.14217		28
29	PARTIAL-PEAK	\$0.10565	\$0.10034	29
30	OFF-PEAK	\$0.08058	\$0.08676	30

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

OIL AND GAS EXTRACTION RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE E-37			1
2	CUSTOMER CHARGE (\$/MONTH)	\$36.36	\$36.36	2
3	TOU METER CHARGE - RATE W (\$/MONTH)	\$1.20	\$1.20	3
4	TOU METER CHARGE - RATE X (\$/MONTH)	\$6.00	\$6.00	4
5	ON PEAK DEMAND CHARGE (\$/KW/MO)	\$9.91		5
6	MAXIMUM DEMAND CHARGE (\$/KW/MO)			6
7	SECONDARY VOLTAGE	\$15.69	\$6.17	7
8	PRIMARY VOLTAGE DISCOUNT	\$1.70	\$0.19	8
9	TRANSMISSION VOLTAGE DISCOUNT	\$11.78	\$5.30	9
10	ENERGY (\$/KWH)			10
11	ON-PEAK	\$0.20583		11
12	PART-PEAK		\$0.10840	12
13	OFF-PEAK	\$0.08862	\$0.08045	13

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

STANDBY RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE S - TRANSMISSION			1
2	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$1.37	\$1.37	2
3	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$1.37	\$1.37	3
4	ENERGY (\$/KWH)			4
5	ON-PEAK	\$0.12553		5
6	PART-PEAK	\$0.11256	\$0.11460	6
7	OFF-PEAK	\$0.09539	\$0.10142	7

8	SCHEDULE S - PRIMARY			8
9	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$5.29	\$5.29	9
10	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$5.29	\$5.29	10
11	ENERGY (\$/KWH)			11
12	ON-PEAK	\$0.62919		12
13	PART-PEAK	\$0.30846	\$0.17580	13
14	OFF-PEAK	\$0.14756	\$0.15468	14

15	SCHEDULE S - SECONDARY			15
16	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$5.29	\$5.29	16
17	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$5.29	\$5.29	17
18	ENERGY (\$/KWH)			18
19	ON-PEAK	\$0.62822		19
20	PART-PEAK	\$0.30749	\$0.17483	20
21	OFF-PEAK	\$0.14659	\$0.15371	21

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

STANDBY RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE S CUSTOMER AND METER CHARGES			1
2	RESIDENTIAL			2
3	CUSTOMER CHARGE (\$/MO)	\$5.00	\$5.00	3
4	TOU METER CHARGE (\$/MO)	\$3.90	\$3.90	4
5	AGRICULTURAL			5
6	CUSTOMER CHARGE (\$/MO)	\$27.60	\$27.60	6
7	TOU METER CHARGE (\$/MO)	\$6.00	\$6.00	7
8	SMALL LIGHT AND POWER (less than or equal to 50 kW)			8
9	SINGLE PHASE CUSTOMER CHARGE (\$/MO)	\$20.00	\$20.00	9
10	POLY PHASE CUSTOMER CHARGE (\$/MO)	\$30.00	\$30.00	10
11	METER CHARGE (\$/MO)	\$6.12	\$6.12	11
12	MEDIUM LIGHT AND POWER (>50 kW, <500 kW)			12
13	CUSTOMER CHARGE (\$/MO)	\$140.00	\$140.00	13
14	METER CHARGE (\$/MO)	\$5.40	\$5.40	14
15	MEDIUM LIGHT AND POWER (>500kW)			15
16	TRANSMISSION CUSTOMER CHARGE (\$/MO)	\$1,800.00	\$1,800.00	16
17	PRIMARY CUSTOMER CHARGE (\$/MO)	\$1,000.00	\$1,000.00	17
18	SECONDARY CUSTOMER CHARGE (\$/MO)	\$600.00	\$600.00	18
19	LARGE LIGHT AND POWER (> 1000 kW)			19
20	TRANSMISSION CUSTOMER CHARGE (\$/MO)	\$2,000.00	\$2,000.00	20
21	PRIMARY CUSTOMER CHARGE (\$/MO)	\$1,500.00	\$1,500.00	21
22	SECONDARY CUSTOMER CHARGE (\$/MO)	\$1,200.00	\$1,200.00	22
23	REDUCED CUSTOMER CHARGES (\$/MO)			23
24	SMALL LIGHT AND PWR (< 50 kW)	\$7.75	\$7.75	24
25	MED LIGHT AND PWR (Res Capacity >50 kW and <500 kW)	\$28.91	\$28.91	25
26	MED LIGHT AND PWR (Res Capacity > 500 kW and < 1000 kW)	\$52.00	\$52.00	26

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

AGRICULTURAL RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.
1	SCHEDULE AG-1A			1
2	CUSTOMER CHARGE (\$/MONTH)	\$17.47	\$17.47	2
3	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$8.23	\$1.58	3
4	ENERGY CHARGE (\$/KWH)	\$0.28121	\$0.21539	4
5	SCHEDULE AG-RA			5
6	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	6
7	METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	7
8	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	8
9	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$7.29	\$1.21	9
10	ENERGY (\$/KWH)			10
11	ON-PEAK	\$0.52911		11
12	PART-PEAK		\$0.18752	12
13	OFF-PEAK	\$0.18419	\$0.15317	13
14	SCHEDULE AG-VA			14
15	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	15
16	METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	16
17	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	17
18	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$7.32	\$1.25	18
19	ENERGY (\$/KWH)			19
20	ON-PEAK	\$0.49498		20
21	PART-PEAK		\$0.18895	21
22	OFF-PEAK	\$0.18109	\$0.15382	22
23	SCHEDULE AG-4A			23
24	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	24
25	METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	25
26	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	26
27	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$8.34	\$1.27	27
28	ENERGY (\$/KWH)			28
29	ON-PEAK	\$0.44785		29
30	PART-PEAK		\$0.20075	30
31	OFF-PEAK	\$0.19396	\$0.16174	31
32	SCHEDULE AG-5A			32
33	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	33
34	METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	34
35	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	35
36	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$12.00	\$2.26	36
37	ENERGY (\$/KWH)			37
38	ON-PEAK	\$0.30672		38
39	PART-PEAK		\$0.16359	39
40	OFF-PEAK	\$0.15516	\$0.13785	40

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016
AGRICULTURAL RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE AG-1B			1
2	CUSTOMER CHARGE (\$/MONTH)	\$23.23	\$23.23	2
3	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			3
4	SECONDARY VOLTAGE	\$11.97	\$2.43	4
5	PRIMARY VOLTAGE DISCOUNT	\$1.22	\$0.34	5
6	ENERGY CHARGE (\$/KWH)	\$0.23853	\$0.18463	6

7	SCHEDULE AG-RB			7
8	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	8
9	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	9
10	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	10
11	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$3.71		11
12	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			12
13	SECONDARY VOLTAGE	\$9.85	\$2.00	13
14	PRIMARY VOLTAGE DISCOUNT	\$0.83	\$0.32	14
15	ENERGY CHARGE (\$/KWH)			15
16	ON-PEAK	\$0.47572		16
17	PART-PEAK		\$0.16268	17
18	OFF-PEAK	\$0.17349	\$0.13377	18

19	SCHEDULE AG-VB			19
20	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	20
21	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	21
22	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	22
23	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$3.67		23
24	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			24
25	SECONDARY VOLTAGE	\$9.92	\$1.98	25
26	PRIMARY VOLTAGE DISCOUNT	\$0.89	\$0.31	26
27	ENERGY CHARGE (\$/KWH)			27
28	ON-PEAK	\$0.44059		28
29	PART-PEAK		\$0.15979	29
30	OFF-PEAK	\$0.16839	\$0.13189	30

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

AGRICULTURAL RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE AG-4B			1
2	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	2
3	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	3
4	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	4
5	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$5.21		5
6	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			6
7	SECONDARY VOLTAGE	\$9.95	\$2.32	7
8	PRIMARY VOLTAGE DISCOUNT	\$1.03	\$0.36	8
9	ENERGY CHARGE (\$/KWH)			9
10	ON-PEAK	\$0.29031		10
11	PART-PEAK		\$0.15526	11
12	OFF-PEAK	\$0.15481	\$0.13025	12

13	SCHEDULE AG-4C			13
14	CUSTOMER CHARGE - RATES C & F (\$/MONTH)	\$65.44	\$65.44	14
15	METER CHARGE - RATE C (\$/MONTH)	\$6.00	\$6.00	15
16	METER CHARGE - RATE F (\$/MONTH)	\$1.20	\$1.20	16
17	DEMAND CHARGE (\$/KW/MONTH)			17
18	ON-PEAK	\$12.25		18
19	PART-PEAK	\$2.34	\$0.57	19
20	MAXIMUM	\$5.17	\$2.50	20
21	PRIMARY VOLTAGE DISCOUNT	\$1.32		21
22	ON-PEAK		\$0.32	22
23	MAXIMUM			23
24	TRANSMISSION VOLTAGE DISCOUNT			24
25	ON-PEAK	\$6.47		25
26	PART-PEAK	\$1.34	\$0.57	26
27	MAXIMUM	\$0.25	\$1.73	27
28	ENERGY CHARGE (\$/KWH)			28
29	ON-PEAK	\$0.26422		29
30	PART-PEAK	\$0.15394	\$0.12817	30
31	OFF-PEAK	\$0.11545	\$0.11101	31

32	SCHEDULE AG-5B			32
33	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$36.36	\$36.36	33
34	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	34
35	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	35
36	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$9.91		36
37	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			37
38	SECONDARY VOLTAGE	\$15.69	\$6.17	38
39	PRIMARY VOLTAGE DISCOUNT	\$1.70	\$0.19	39
40	TRANSMISSION VOLTAGE DISCOUNT	\$11.78	\$5.30	40
41	ENERGY CHARGE (\$/KWH)			41
42	ON-PEAK	\$0.20583		42
43	PART-PEAK		\$0.10840	43
44	OFF-PEAK	\$0.08862	\$0.08045	44

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

AGRICULTURAL RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE AG-5C			1
2	CUSTOMER CHARGE - RATES C & F (\$/MONTH)	\$161.58	\$161.58	2
3	METER CHARGE - RATE C (\$/MONTH)	\$6.00	\$6.00	3
4	METER CHARGE - RATE F (\$/MONTH)	\$1.20	\$1.20	4
5	DEMAND CHARGE (\$/KW/MONTH)			5
6	ON-PEAK	\$16.67		6
7	PART-PEAK	\$3.46	\$0.92	7
8	MAXIMUM	\$6.16	\$3.84	8
9	PRIMARY VOLTAGE DISCOUNT			9
10	ON-PEAK	\$2.47		10
11	MAXIMUM		\$0.26	11
12	TRANSMISSION VOLTAGE DISCOUNT			12
13	ON-PEAK	\$10.46		13
14	PART-PEAK	\$1.56	\$0.92	14
15	MAXIMUM	\$3.50	\$2.52	15
16	ENERGY CHARGE (\$/KWH)			16
17	ON-PEAK	\$0.15775		17
18	PART-PEAK	\$0.10802	\$0.09506	18
19	OFF-PEAK	\$0.08951	\$0.08665	19

20	SCHEDULE AG-ICE			20
21	CUSTOMER CHARGE (\$/MONTH)	\$40.00	\$40.00	21
22	METER CHARGE (\$/MONTH)	\$6.00	\$6.00	22
23	ON-PEAK DEMAND CHARGE (\$/KW/MO)	\$5.52		23
24	MAXIMUM DEMAND CHARGE (\$/KW/MO)			24
25	SECONDARY	\$6.59	\$0.00	25
26	PRIMARY	\$5.60	\$0.00	26
27	TRANSMISSION	\$2.40	\$0.00	27
28	ENERGY CHARGE (\$/KWH)			28
29	ON-PEAK	\$0.14879		29
30	PART-PEAK	\$0.11606	\$0.11903	30
31	OFF-PEAK	\$0.05952	\$0.05952	31

PACIFIC GAS AND ELECTRIC COMPANY
PRESENT ELECTRIC RATES
AS OF OCTOBER 1, 2016

STREETLIGHTING RATES

LINE NO.		10/1/16 RATES SUMMER	10/1/16 RATES WINTER	LINE NO.

1	SCHEDULE LS-1			1
2	ENERGY CHARGE (\$/KWH)	\$0.15974	\$0.15974	2

3	SCHEDULE LS-2			3
4	ENERGY CHARGE (\$/KWH)	\$0.15974	\$0.15974	4

5	SCHEDULE LS-3			5
6	SERVICE CHARGE (\$/METER/MO.)	\$6.00	\$6.00	6
7	ENERGY CHARGE (\$/KWH)	\$0.15974	\$0.15974	7

8	SCHEDULE OL-1			8
9	ENERGY CHARGE (\$/KWH)	\$0.16671	\$0.16671	9

Pacific Gas & Electric Company																	
10/1/16 Rate Change (TO17 Settled, TACBAA & TRBAA)																	
10/1/2016																	
ELECTRIC RATES FOR SCHEDULES LS-1, LS-2 AND OL-1																	
NOMINAL LAMP RATINGS																	
		AVERAGE				ALL NIGHT RATES PER LAMP PER MONTH											HALF-HOUR ADJ.
LAMP		kWhr PER		INITIAL	SCHEDULE LS-2			SCHEDULE LS-1								LS-1 &	
WATTS		MONTH		LUMENS	A		C	A	B	C		D	E	F		OL-1	OL-1
MERCURY VAPOR LAMPS																	
40		18		1,300	\$3.081		--	--	--	--		--	--	--		--	\$0.131
50		22		1,650	\$3.720		--	--	--	--		--	--	--		--	\$0.160
100		40		3,500	\$6.596		\$9.847	\$12.856	--	\$12.459		--	--	--		--	\$0.290
175		68		7,500	\$11.068		\$14.319	\$17.328	\$16.729	\$16.931		--	\$20.132	\$18.743		\$17.802	\$0.494
250		97		11,000	\$15.701		\$18.952	\$21.961	\$21.362	\$21.564		--	--	--		--	\$0.704
400		152		21,000	\$24.486		\$27.737	\$30.746	\$30.147	\$30.349		--	--	--		\$31.806	\$1.104
700		266		37,000	\$42.697		\$45.948	\$48.957	\$48.358	\$48.560		--	--	--		--	\$1.931
1,000		377		57,000	\$60.428		\$63.679	--	--	--		--	--	--		--	\$2.737
INCANDESCENT LAMPS																	
58		20		600	\$3.401		--	\$9.661	--	--		--	--	--		--	\$0.145
92		31		1,000	\$5.158		\$8.409	\$11.418	--	--		--	--	--		--	\$0.225
189		65		2,500	\$10.589		\$13.840	\$16.849	\$16.250	--		--	--	--		--	\$0.472
295		101		4,000	\$16.340		\$19.591	\$22.600	\$22.001	--		--	--	--		--	\$0.733
405		139		6,000	\$22.410		\$25.661	\$28.670	--	--		--	--	--		--	\$1.009
620		212		10,000	\$34.071		\$37.322	--	--	--		--	--	--		--	\$1.539
860		294		15,000	\$47.170		--	--	--	--		--	--	--		--	\$2.135
LOW PRESSURE SODIUM																	
VAPOR LAMPS																	
35		21		4,800	\$3.561		--	--	--	--		--	--	--		--	\$0.153
55		29		8,000	\$4.838		--	--	--	--		--	--	--		--	\$0.211
90		45		13,500	\$7.394		--	--	--	--		--	--	--		--	\$0.327
135		62		21,500	\$10.110		--	--	--	--		--	--	--		--	\$0.450
180		78		33,000	\$12.666		--	--	--	--		--	--	--		--	\$0.566

Pacific Gas & Electric Company																			
10/1/16 Rate Change (TO17 Settled, TACBAA & TRBAA)																			
10/1/2016																			
ELECTRIC RATES FOR SCHEDULES LS-1, LS-2 AND OL-1																			
NOMINAL LAMP RATINGS																			
		AVERAGE			ALL NIGHT RATES PER LAMP PER MONTH												HALF-HOUR ADJ.		
LAMP		kWhr PER	INITIAL	SCHEDULE LS-2				SCHEDULE LS-1								LS-1 &			
WATTS		MONTH	LUMENS	A		C		A	B	C		D	E	F		OL-1	LS-2	OL-1	
HIGH PRESSURE SODIUM																			
VAPOR LAMPS																			
AT 120 VOLTS																			
35		15	2,150	\$2.602		--		--	--	--		--	--	--		--	\$0.109	--	
50		21	3,800	\$3.561		--		--	--	--		--	--	--		--	\$0.153	--	
70		29	5,800	\$4.838		\$8.089		\$11.098	--	\$10.701		\$13.528	\$13.902	\$12.513		\$11.301	\$0.211	\$0.220	
100		41	9,500	\$6.755		\$10.006		\$13.015	--	\$12.618		\$15.445	\$15.819	\$14.430		\$13.301	\$0.298	\$0.311	
150		60	16,000	\$9.790		\$13.041		\$16.050	--	\$15.653		\$18.480	\$18.854	\$17.465		--	\$0.436	--	
200		80	22,000	\$12.985		--		\$19.245	--	\$18.848		\$21.675	\$22.049	\$20.660		--	\$0.581	--	
250		100	26,000	\$16.180				\$22.440	--	\$22.043		\$24.870	\$25.244	\$23.855			\$0.726		
400		154	46,000	\$24.806				\$31.066	--	\$30.669		\$33.496	\$33.870	\$32.481			\$1.118		
AT 240 VOLTS																			
50		24	3,800	\$4.040		--		--	--	--		--	--	--		--	\$0.174	--	
70		34	5,800	\$5.637		\$8.888		\$11.897	--	--		\$14.327	--	--		--	\$0.247	--	
100		47	9,500	\$7.714		\$10.965		\$13.974	--	\$13.577		\$16.404	\$16.778	\$15.389		--	\$0.341	--	
150		69	16,000	\$11.228		\$14.479		\$17.488	--	\$17.091		\$19.918	\$20.292	\$18.903		--	\$0.501	--	
200		81	22,000	\$13.145		\$16.396		\$19.405	--	\$19.008		\$21.835	\$22.209	\$20.820		\$19.970	\$0.588	\$0.614	
250		100	25,500	\$16.180		\$19.431		\$22.440	--	\$22.043		\$24.870	\$25.244	\$23.855		\$23.137	\$0.726	\$0.758	
310		119	37,000	\$19.215		--		--	--	--		--	--	--		--	\$0.864	--	
360		144	45,000	\$23.209		--		--	--	--		--	--	--		--	\$1.046	--	
400		154	46,000	\$24.806		\$28.057		\$31.066	--	\$30.669		\$33.496	\$33.870	\$32.481		► \$32.139	\$1.118	\$1.167	
METAL HALIDE LAMPS																			
70		30	5,500	\$4.998		--		--	--	--		--	--	--		--	\$0.218	--	
100		41	8,500	\$6.755		--		--	--	--		--	--	--		--	\$0.298	--	
150		63	13,500	\$10.270		--		--	--	--		--	--	--		--	\$0.457	--	
175		72	14,000	\$11.707		--		--	--	--		--	--	--		--	\$0.523	--	
250		105	20,500	\$16.979		--		--	--	--		--	--	--		--	\$0.762	--	
400		162	30,000	\$26.084		--		--	--	--		--	--	--		--	\$1.176	--	
1,000		387	90,000	\$62.025		--		--	--	--		--	--	--		--	\$2.810	--	
INDUCTION LAMPS																			
23		9	1,840	\$1.644		--		--	--	--		--	--	--		--	\$0.065	--	
35		13	2,450	\$2.283		--		--	--	--		--	--	--		--	\$0.094	--	
40		14	2,200	\$2.442		--		--	--	--		--	--	--		--	\$0.102	--	
50		18	3,500	\$3.081		--		--	--	--		--	--	--		--	\$0.131	--	
55		19	3,000	\$3.241		--		--	--	--		--	--	--		--	\$0.138	--	
65		24	5,525	\$4.040		--		--	--	--		--	--	--		--	\$0.174	--	
70		27	6,500	\$4.519		--		--	--	--		--	--	--		--	\$0.196	--	
80		28	4,500	\$4.679		--		--	--	--		--	--	--		--	\$0.203	--	
85		30	4,800	\$4.998		--		--	--	--		--	--	--		--	\$0.218	--	
100		36	8,000	\$5.957		--		--	--	--		--	--	--		--	\$0.261	--	
120		42	8,500	\$6.837		--		--	--	--		--	--	--		--	\$0.301	--	
135		48	9,450	\$7.874		--		--	--	--		--	--	--		--	\$0.349	--	
150		51	10,900	\$8.353		--		--	--	--		--	--	--		--	\$0.370	--	
165		58	12,000	\$9.471		--		--	--	--		--	--	--		--	\$0.421	--	
200		72	19,000	\$11.707		--		--	--	--		--	--	--		--	\$0.523	--	
All LEDs now on separate tab.																			
		Energy Rate @			\$0.15974	per kwh	LS-1 & LS-2												
					\$0.16671	per kwh	OL-1		Pole Painting Charge @				Per Pole Per Month						
			22-Sep-16																

Pacific Gas & Electric Company 10/1/16 Rate Change (TO17 Settled, TACBAA & TRBAA) 10/1/16 LIGHT EMITTING DIODE (LED) LAMPS TOTAL RATES (FACILITY + ENERGY CHGS)									
NOMINAL LAMP RATINGS		ALL NIGHT RATES	HALF-HOUR						
Lamp	Average kWh	PER LAMP	ALL NIGHT RATES						
Watts	Per Month	PER MONTH	PER LAMP PER MONTH						
			LS-2A	LS-1A, C, E, F & LS-2A	LS-1A	LS-1C	LS-1D	LS-1E	LS-1F
0.0-5.0	0.9	\$0.350	\$0.007		\$6.610	\$6.213	\$9.040	\$9.414	\$8.025
5.1-10.0	2.6	\$0.621	\$0.019		\$6.881	\$6.484	\$9.311	\$9.685	\$8.296
10.1-15.0	4.3	\$0.893	\$0.031		\$7.153	\$6.756	\$9.583	\$9.957	\$8.568
15.1-20.0	6.0	\$1.164	\$0.044		\$7.424	\$7.027	\$9.854	\$10.228	\$8.839
20.1-25.0	7.7	\$1.436	\$0.056		\$7.696	\$7.299	\$10.126	\$10.500	\$9.111
25.1-30.0	9.4	\$1.708	\$0.068		\$7.968	\$7.571	\$10.398	\$10.772	\$9.383
30.1-35.0	11.1	\$1.979	\$0.081		\$8.239	\$7.842	\$10.669	\$11.043	\$9.654
35.1-40.0	12.8	\$2.251	\$0.093		\$8.511	\$8.114	\$10.941	\$11.315	\$9.926
40.1-45.0	14.5	\$2.522	\$0.105		\$8.782	\$8.385	\$11.212	\$11.586	\$10.197
45.1-50.0	16.2	\$2.794	\$0.118		\$9.054	\$8.657	\$11.484	\$11.858	\$10.469
50.1-55.0	17.9	\$3.065	\$0.130		\$9.325	\$8.928	\$11.755	\$12.129	\$10.740
55.1-60.0	19.6	\$3.337	\$0.142		\$9.597	\$9.200	\$12.027	\$12.401	\$11.012
60.1-65.0	21.4	\$3.624	\$0.155		\$9.884	\$9.487	\$12.314	\$12.688	\$11.299
65.1-70.0	23.1	\$3.896	\$0.168		\$10.156	\$9.759	\$12.586	\$12.960	\$11.571
70.1-75.0	24.8	\$4.168	\$0.180		\$10.428	\$10.031	\$12.858	\$13.232	\$11.843
75.1-80.0	26.5	\$4.439	\$0.192		\$10.699	\$10.302	\$13.129	\$13.503	\$12.114
80.1-85.0	28.2	\$4.711	\$0.205		\$10.971	\$10.574	\$13.401	\$13.775	\$12.386
85.1-90.0	29.9	\$4.982	\$0.217		\$11.242	\$10.845	\$13.672	\$14.046	\$12.657
90.1-95.0	31.6	\$5.254	\$0.229		\$11.514	\$11.117	\$13.944	\$14.318	\$12.929
95.1-100.0	33.3	\$5.525	\$0.242		\$11.785	\$11.388	\$14.215	\$14.589	\$13.200
100.1-105.1	35.0	\$5.797	\$0.254		\$12.057	\$11.660	\$14.487	\$14.861	\$13.472
105.1-110.0	36.7	\$6.068	\$0.266		\$12.328	\$11.931	\$14.758	\$15.132	\$13.743
110.1-115.0	38.4	\$6.340	\$0.279		\$12.600	\$12.203	\$15.030	\$15.404	\$14.015
115.1-120.0	40.1	\$6.612	\$0.291		\$12.872	\$12.475	\$15.302	\$15.676	\$14.287
120.1-125.0	41.9	\$6.899	\$0.304		\$13.159	\$12.762	\$15.589	\$15.963	\$14.574
125.1-130.0	43.6	\$7.171	\$0.317		\$13.431	\$13.034	\$15.861	\$16.235	\$14.846
130.1-135.0	45.3	\$7.442	\$0.329		\$13.702	\$13.305	\$16.132	\$16.506	\$15.117
135.1-140.0	47.0	\$7.714	\$0.341		\$13.974	\$13.577	\$16.404	\$16.778	\$15.389
140.1-145.0	48.7	\$7.985	\$0.354		\$14.245	\$13.848	\$16.675	\$17.049	\$15.660
145.1-150.0	50.4	\$8.257	\$0.366		\$14.517	\$14.120	\$16.947	\$17.321	\$15.932
150.1-155.0	52.1	\$8.528	\$0.378		\$14.788	\$14.391	\$17.218	\$17.592	\$16.203
155.1-160.0	53.8	\$8.800	\$0.391		\$15.060	\$14.663	\$17.490	\$17.864	\$16.475
160.1-165.0	55.5	\$9.072	\$0.403		\$15.332	\$14.935	\$17.762	\$18.136	\$16.747
165.1-170.0	57.2	\$9.343	\$0.415		\$15.603	\$15.206	\$18.033	\$18.407	\$17.018
170.1-175.0	58.9	\$9.615	\$0.428		\$15.875	\$15.478	\$18.305	\$18.679	\$17.290
175.1-180.0	60.6	\$9.886	\$0.440		\$16.146	\$15.749	\$18.576	\$18.950	\$17.561
180.1-185.0	62.4	\$10.174	\$0.453		\$16.434	\$16.037	\$18.864	\$19.238	\$17.849
185.1-190.0	64.1	\$10.445	\$0.465		\$16.705	\$16.308	\$19.135	\$19.509	\$18.120
190.1-195.0	65.8	\$10.717	\$0.478		\$16.977	\$16.580	\$19.407	\$19.781	\$18.392
195.1-200.0	67.5	\$10.988	\$0.490		\$17.248	\$16.851	\$19.678	\$20.052	\$18.663
200.1-205.0	69.2	\$11.260	\$0.502		\$17.520	\$17.123	\$19.950	\$20.324	\$18.935
205.1-210.0	70.9	\$11.532	\$0.515		\$17.792	\$17.395	\$20.222	\$20.596	\$19.207
210.1-215.0	72.6	\$11.803	\$0.527		\$18.063	\$17.666	\$20.493	\$20.867	\$19.478
215.1-220.0	74.3	\$12.075	\$0.540		\$18.335	\$17.938	\$20.765	\$21.139	\$19.750
220.1-225.0	76.0	\$12.346	\$0.552		\$18.606	\$18.209	\$21.036	\$21.410	\$20.021
225.1-230.0	77.7	\$12.618	\$0.564		\$18.878	\$18.481	\$21.308	\$21.682	\$20.293

LIGHT EMITTING DIODE (LED) LAMPS CONVERSION (with LED Surcharge)					
ALL NIGHT RATES					HALF-HOUR
PER LAMP PER MONTH					ADJUSTMENT
LS-1A	LS-1C	LS-1D	LS-1E	LS-1F	LS-1A, C, D, E & F
\$9.424	\$9.027	\$21.808	\$12.228	\$10.839	\$0.007
\$9.695	\$9.298	\$22.079	\$12.499	\$11.110	\$0.019
\$9.967	\$9.570	\$22.351	\$12.771	\$11.382	\$0.031
\$10.238	\$9.841	\$22.622	\$13.042	\$11.653	\$0.044
\$10.510	\$10.113	\$22.894	\$13.314	\$11.925	\$0.056
\$10.782	\$10.385	\$23.166	\$13.586	\$12.197	\$0.068
\$11.053	\$10.656	\$23.437	\$13.857	\$12.468	\$0.081
\$11.325	\$10.928	\$23.709	\$14.129	\$12.740	\$0.093
\$11.596	\$11.199	\$23.980	\$14.400	\$13.011	\$0.105
\$11.868	\$11.471	\$24.252	\$14.672	\$13.283	\$0.118
\$12.139	\$11.742	\$24.523	\$14.943	\$13.554	\$0.130
\$12.411	\$12.014	\$24.795	\$15.215	\$13.826	\$0.142
\$12.698	\$12.301	\$25.082	\$15.502	\$14.113	\$0.155
\$12.970	\$12.573	\$25.354	\$15.774	\$14.385	\$0.168
\$13.242	\$12.845	\$25.626	\$16.046	\$14.657	\$0.180
\$13.513	\$13.116	\$25.897	\$16.317	\$14.928	\$0.192
\$13.785	\$13.388	\$26.169	\$16.589	\$15.200	\$0.205
\$14.056	\$13.659	\$26.440	\$16.860	\$15.471	\$0.217
\$14.328	\$13.931	\$26.712	\$17.132	\$15.743	\$0.229
\$14.599	\$14.202	\$26.983	\$17.403	\$16.014	\$0.242
\$14.871	\$14.474	\$27.255	\$17.675	\$16.286	\$0.254
\$15.142	\$14.745	\$27.526	\$17.946	\$16.557	\$0.266
\$15.414	\$15.017	\$27.798	\$18.218	\$16.829	\$0.279
\$15.686	\$15.289	\$28.070	\$18.490	\$17.101	\$0.291
\$15.973	\$15.576	\$28.357	\$18.777	\$17.388	\$0.304
\$16.245	\$15.848	\$28.629	\$19.049	\$17.660	\$0.317
\$16.516	\$16.119	\$28.900	\$19.320	\$17.931	\$0.329
\$16.788	\$16.391	\$29.172	\$19.592	\$18.203	\$0.341
\$17.059	\$16.662	\$29.443	\$19.863	\$18.474	\$0.354
\$17.331	\$16.934	\$29.715	\$20.135	\$18.746	\$0.366
\$17.602	\$17.205	\$29.986	\$20.406	\$19.017	\$0.378
\$17.874	\$17.477	\$30.258	\$20.678	\$19.289	\$0.391
\$18.146	\$17.749	\$30.530	\$20.950	\$19.561	\$0.403
\$18.417	\$18.020	\$30.801	\$21.221	\$19.832	\$0.415
\$18.689	\$18.292	\$31.073	\$21.493	\$20.104	\$0.428
\$18.960	\$18.563	\$31.344	\$21.764	\$20.375	\$0.440
\$19.248	\$18.851	\$31.632	\$22.052	\$20.663	\$0.453
\$19.519	\$19.122	\$31.903	\$22.323	\$20.934	\$0.465
\$19.791	\$19.394	\$32.175	\$22.595	\$21.206	\$0.478
\$20.062	\$19.665	\$32.446	\$22.866	\$21.477	\$0.490
\$20.334	\$19.937	\$32.718	\$23.138	\$21.749	\$0.502
\$20.606	\$20.209	\$32.990	\$23.410	\$22.021	\$0.515
\$20.877	\$20.480	\$33.261	\$23.681	\$22.292	\$0.527
\$21.149	\$20.752	\$33.533	\$23.953	\$22.564	\$0.540
\$21.420	\$21.023	\$33.804	\$24.224	\$22.835	\$0.552
\$21.692	\$21.295	\$34.076	\$24.496	\$23.107	\$0.564

Pacific Gas & Electric Company 10/1/16 Rate Change (TO17 Settled, TACBAA & TRBAA) 10/1/16 LIGHT EMITTING DIODE (LED) LAMPS TOTAL RATES (FACILITY + ENERGY CHGS)									
NOMINAL LAMP RATINGS Lamp Average kWh Watts Per Month		ALL NIGHT RATES PER LAMP PER MONTH	HALF-HOUR ADJUSTMENT ALL NIGHT RATES PER LAMP PER MONTH						
		LS-2A	LS-1A, C, E, F & LS-2A		LS-1A	LS-1C	LS-1D	LS-1E	LS-1F
230.1-235.0	79.4	\$12.889	\$0.577		\$19.149	\$18.752	\$21.579	\$21.953	\$20.564
235.1-240.0	81.1	\$13.161	\$0.589		\$19.421	\$19.024	\$21.851	\$22.225	\$20.836
240.1-245.0	82.9	\$13.448	\$0.602		\$19.708	\$19.311	\$22.138	\$22.512	\$21.123
245.1-250.0	84.6	\$13.720	\$0.614		\$19.980	\$19.583	\$22.410	\$22.784	\$21.395
250.1-255.0	86.3	\$13.992	\$0.627		\$20.252	\$19.855	\$22.682	\$23.056	\$21.667
255.1-260.0	88.0	\$14.263	\$0.639		\$20.523	\$20.126	\$22.953	\$23.327	\$21.938
260.1-265.0	89.7	\$14.535	\$0.651		\$20.795	\$20.398	\$23.225	\$23.599	\$22.210
265.1-270.0	91.4	\$14.806	\$0.664		\$21.066	\$20.669	\$23.496	\$23.870	\$22.481
270.1-275.0	93.1	\$15.078	\$0.676		\$21.338	\$20.941	\$23.768	\$24.142	\$22.753
275.1-280.0	94.8	\$15.349	\$0.688		\$21.609	\$21.212	\$24.039	\$24.413	\$23.024
280.1-285.0	96.5	\$15.621	\$0.701		\$21.881	\$21.484	\$24.311	\$24.685	\$23.296
285.1-290.0	98.2	\$15.892	\$0.713		\$22.152	\$21.755	\$24.582	\$24.956	\$23.567
290.1-295.0	99.9	\$16.164	\$0.725		\$22.424	\$22.027	\$24.854	\$25.228	\$23.839
295.1-300.0	101.6	\$16.436	\$0.738		\$22.696	\$22.299	\$25.126	\$25.500	\$24.111
300.1-305.0	103.4	\$16.723	\$0.751		\$22.983	\$22.586	\$25.413	\$25.787	\$24.398
305.1-310.0	105.1	\$16.995	\$0.763		\$23.255	\$22.858	\$25.685	\$26.059	\$24.670
310.1-315.0	106.8	\$17.266	\$0.775		\$23.526	\$23.129	\$25.956	\$26.330	\$24.941
315.1-320.0	108.5	\$17.538	\$0.788		\$23.798	\$23.401	\$26.228	\$26.602	\$25.213
320.1-325.0	110.2	\$17.809	\$0.800		\$24.069	\$23.672	\$26.499	\$26.873	\$25.484
325.1-330.0	111.9	\$18.081	\$0.813		\$24.341	\$23.944	\$26.771	\$27.145	\$25.756
330.1-335.0	113.6	\$18.352	\$0.825		\$24.612	\$24.215	\$27.042	\$27.416	\$26.027
335.1-340.0	115.3	\$18.624	\$0.837		\$24.884	\$24.487	\$27.314	\$27.688	\$26.299
340.1-345.0	117.0	\$18.896	\$0.850		\$25.156	\$24.759	\$27.586	\$27.960	\$26.571
345.1-350.0	118.7	\$19.167	\$0.862		\$25.427	\$25.030	\$27.857	\$28.231	\$26.842
350.1-355.0	120.4	\$19.439	\$0.874		\$25.699	\$25.302	\$28.129	\$28.503	\$27.114
355.1-360.0	122.1	\$19.710	\$0.887		\$25.970	\$25.573	\$28.400	\$28.774	\$27.385
360.1-365.0	123.9	\$19.998	\$0.900		\$26.258	\$25.861	\$28.688	\$29.062	\$27.673
365.1-370.0	125.6	\$20.269	\$0.912		\$26.529	\$26.132	\$28.959	\$29.333	\$27.944
370.1-375.0	127.3	\$20.541	\$0.924		\$26.801	\$26.404	\$29.231	\$29.605	\$28.216
375.1-380.0	129.0	\$20.812	\$0.937		\$27.072	\$26.675	\$29.502	\$29.876	\$28.487
380.1-385.0	130.7	\$21.084	\$0.949		\$27.344	\$26.947	\$29.774	\$30.148	\$28.759
385.1-390.0	132.4	\$21.356	\$0.961		\$27.616	\$27.219	\$30.046	\$30.420	\$29.031
390.1-395.0	134.1	\$21.627	\$0.974		\$27.887	\$27.490	\$30.317	\$30.691	\$29.302
395.1-400.0	135.8	\$21.899	\$0.986		\$28.159	\$27.762	\$30.589	\$30.963	\$29.574

LED lights are only applicable to LS-1A, 1C, 1E and 1F

LIGHT EMITTING DIODE (LED) LAMPS CONVERSION (with LED Surcharge)						
ALL NIGHT RATES PER LAMP PER MONTH					HALF-HOUR ADJUSTMENT	
LS-1A	LS-1C	LS-1D	LS-1E	LS-1F	LS-1A, C, D, E & F	
\$21.963	\$21.566	\$34.347	\$24.767	\$23.378	\$0.577	
\$22.235	\$21.838	\$34.619	\$25.039	\$23.650	\$0.589	
\$22.522	\$22.125	\$34.906	\$25.326	\$23.937	\$0.602	
\$22.794	\$22.397	\$35.178	\$25.598	\$24.209	\$0.614	
\$23.066	\$22.669	\$35.450	\$25.870	\$24.481	\$0.627	
\$23.337	\$22.940	\$35.721	\$26.141	\$24.752	\$0.639	
\$23.609	\$23.212	\$35.993	\$26.413	\$25.024	\$0.651	
\$23.880	\$23.483	\$36.264	\$26.684	\$25.295	\$0.664	
\$24.152	\$23.755	\$36.536	\$26.956	\$25.567	\$0.676	
\$24.423	\$24.026	\$36.807	\$27.227	\$25.838	\$0.688	
\$24.695	\$24.298	\$37.079	\$27.499	\$26.110	\$0.701	
\$24.966	\$24.569	\$37.350	\$27.770	\$26.381	\$0.713	
\$25.238	\$24.841	\$37.622	\$28.042	\$26.653	\$0.725	
\$25.510	\$25.113	\$37.894	\$28.314	\$26.925	\$0.738	
\$25.797	\$25.400	\$38.181	\$28.601	\$27.212	\$0.751	
\$26.069	\$25.672	\$38.453	\$28.873	\$27.484	\$0.763	
\$26.340	\$25.943	\$38.724	\$29.144	\$27.755	\$0.775	
\$26.612	\$26.215	\$38.996	\$29.416	\$28.027	\$0.788	
\$26.883	\$26.486	\$39.267	\$29.687	\$28.298	\$0.800	
\$27.155	\$26.758	\$39.539	\$29.959	\$28.570	\$0.813	
\$27.426	\$27.029	\$39.810	\$30.230	\$28.841	\$0.825	
\$27.698	\$27.301	\$40.082	\$30.502	\$29.113	\$0.837	
\$27.970	\$27.573	\$40.354	\$30.774	\$29.385	\$0.850	
\$28.241	\$27.844	\$40.625	\$31.045	\$29.656	\$0.862	
\$28.513	\$28.116	\$40.897	\$31.317	\$29.928	\$0.874	
\$28.784	\$28.387	\$41.168	\$31.588	\$30.199	\$0.887	
\$29.072	\$28.675	\$41.456	\$31.876	\$30.487	\$0.900	
\$29.343	\$28.946	\$41.727	\$32.147	\$30.758	\$0.912	
\$29.615	\$29.218	\$41.999	\$32.419	\$31.030	\$0.924	
\$29.886	\$29.489	\$42.270	\$32.690	\$31.301	\$0.937	
\$30.158	\$29.761	\$42.542	\$32.962	\$31.573	\$0.949	
\$30.430	\$30.033	\$42.814	\$33.234	\$31.845	\$0.961	
\$30.701	\$30.304	\$43.085	\$33.505	\$32.116	\$0.974	
\$30.973	\$30.576	\$43.357	\$33.777	\$32.388	\$0.986	

Decorative LED lights are only applicable to LS-1D

PACIFIC GAS AND ELECTRIC COMPANY
COMPARISON OF GAS TRANSPORTATION RATES

Rate Schedules	1/1/2016 ⁽¹⁾	Average Rate No PPP	8/1/2016 ⁽²⁾	% Chg from Jan 1, 2016	Average Rate No PPP	% Chg from Jan 1, 2016
Comparison of Gas Accord Tariffs						
Gas Schedule G-AA	1/1/2016 (1)		8/1/2016 (2)	% Chg From 1/1/15		% Chg From 1/1/15
Path	Usage Rate		Usage Rate			
Redwood to On-System (Per Dth)	\$0.34750		\$0.5004	44.00%		
Baja to On-System (Per Dth)	\$0.39640		\$0.5484	38.34%		
Silverado to On-System (Per Dth)	\$0.19890		\$0.3125	57.10%		
Mission to On-System (Per Dth)	\$0.00000		\$0.0000	0.00%		
Gas Schedule G-AAOFF						
Path	Usage Rate		Usage Rate			
Redwood to Off-System (Per Dth)	\$0.34750		\$0.5004	44.00%		
Baja to Off-System (Per Dth)	\$0.39640		\$0.5484	38.34%		
Silverado to Off-System (Per Dth)	\$0.34750		\$0.5004	44.00%		
Mission to Off-System (Per Dth)	\$0.34750		\$0.5004	44.00%		
Mission to Off-System Storage Withdrawals (Per Dth)	\$0.00000		\$0.0000	0.00%		
Gas Schedule G-AFT		Reservation Rate			Reservation Rate	
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to On-System (Per Dth)	\$5.7105	\$8.6209	\$9.1594	60.40%	\$12.6549	46.79%
Redwood to On-System Core Procurement Groups Only (Per Dth)	\$4.9663	\$7.0192	\$8.2708	66.54%	\$10.8027	53.90%
Baja to On-System (Per Dth)	\$6.5151	\$9.8356	\$10.0380	54.07%	\$13.8689	41.01%
Baja to On-System Core Procurement Groups Only (Per Dth)	\$5.8170	\$8.2215	\$9.1998	58.15%	\$12.0160	46.15%
Silverado to On-System (Per Dth)	\$3.4544	\$4.8477	\$5.7987	67.87%	\$7.8971	62.90%
Mission to On-System (Per Dth)	\$3.4544	\$4.8477	\$5.7987	67.87%	\$7.8971	62.90%
		Usage Rate			Usage Rate	
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to On-System (Per Dth)	\$0.1018	\$0.00610	\$0.1159	13.81%	\$0.0009	-84.66%
Redwood to On-System Core Procurement Groups Only (Per Dth)	\$0.0749	\$0.00740	\$0.0842	12.44%	\$0.0010	-86.74%
Baja to On-System (Per Dth)	\$0.1162	\$0.00700	\$0.1270	9.27%	\$0.0010	-85.35%
Baja to On-System Core Procurement Groups Only (Per Dth)	\$0.0878	\$0.00870	\$0.0937	6.70%	\$0.0011	-87.45%
Silverado to On-System (Per Dth)	\$0.0522	\$0.00630	\$0.0697	33.61%	\$0.0008	-87.96%
Mission to On-System (Per Dth)	\$0.0522	\$0.00630	\$0.0697	33.61%	\$0.0008	-87.96%
Mission to On-System Storage Withdrawals (Conversion option from Firm ON-System Rewood or Baja Path only)	\$0.0000	\$0.0000	\$0.0000	0.00%	\$0.0000	0.00%
Gas Schedule G-AFTOFF		Reservation Rate			Reservation Rate	
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to Off-System (Per Dth)	\$5.7105	\$8.6209	\$9.1594	60.40%	\$12.6549	46.79%
Baja to Off-System (Per Dth)	\$6.5151	\$9.8356	\$10.0380	54.07%	\$13.8689	41.01%
Silverado to Off-System (Per Dth)	\$5.7105	\$8.6209	\$9.1594	60.40%	\$12.6549	46.79%
Mission to Off-System (Per Dth)	\$5.7105	\$8.6209	\$9.1594	60.40%	\$12.6549	46.79%
		Usage Rate			Usage Rate	
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to Off-System (Per Dth)	\$0.1018	\$0.0061	\$0.1159	13.81%	\$0.0009	-84.66%
Baja to Off-System (Per Dth)	\$0.1162	\$0.0070	\$0.1270	9.27%	\$0.0010	-85.35%
Silverado to Off-System (Per Dth)	\$0.1018	\$0.0061	\$0.1159	13.81%	\$0.0009	-84.66%
Mission to Off-System (Per Dth)	\$0.1018	\$0.0061	\$0.1159	13.81%	\$0.0009	-84.66%
Gas Schedule G-BAL						
Self-Balancing Credit Paragraph Section	\$0.0135		\$0.0192	42.22%		
Gas Schedule G-CFS						
Reservation Charge per Dth per month	\$0.1285		\$0.1820	41.60%		
Gas Schedule G-LEND						
Minimum Rate (per transaction)	\$57.00		\$57.00	0.00%		
Maximum Rate (per Dth per day)	\$1.1206		\$1.2351	10.22%		
Gas Schedule G-NAS						
Injection Maximum Rates (Per Dth/Day)	\$6.1457		\$6.0474	-1.60%		
Withdrawal Maximum Rates (Per Dth/Day)	\$21.2779		\$27.6433	29.92%		
Gas Schedule G-NFS						
Injection Maximum Rates (Per Dth/Day)	\$6.1457		\$6.0474	-1.60%		
Inventory (Per Dth)	\$2.9366		\$3.7552	27.88%		
Withdrawal Maximum Rates (Per Dth/Day)	\$21.2779		\$27.6433	29.92%		
Gas Schedule G-PARK						
Minimum Rate (per transaction)	\$57.00		\$57.00	0.00%		
Maximum Rate (per Dth per day)	\$1.1206		\$1.2351	10.22%		
Gas Schedule G-SFS						
Reservation Charge per Dth per month	\$0.2447		\$0.3129	27.88%		
Gas Schedule G-SFT		Reservation Rate			Reservation Rate	
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to On-System (Per Dth)	\$6.85260	\$10.34500	\$10.9913	60.40%	\$15.1859	46.79%
Baja to On-System (Per Dth)	\$7.81820	\$11.80270	\$12.0456	54.07%	\$16.6426	41.01%
Baja to On-System Core Procurement Groups Only (Per Dth)	\$6.98040	\$9.86580	\$11.0397	58.15%	\$14.4192	46.15%
Silverado to On-System (Per Dth)	\$4.14530	\$5.81730	\$6.9585	67.86%	\$9.4765	62.90%
Mission to On-System (Per Dth)	\$4.14530	\$5.81730	\$6.9585	67.86%	\$9.4765	62.90%
		Usage Rate			Usage Rate	
Path	MFV Rates	SFV Rates	MFV Rates		SFV Rates	
Redwood to On-System (Per Dth)	\$0.1222	\$0.0074	\$0.1390	13.77%	\$0.0011	-84.83%
Baja to On-System (Per Dth)	\$0.1394	\$0.0084	\$0.1524	9.30%	\$0.0012	-85.35%
Baja to On-System Core Procurement Groups Only (Per Dth)	\$0.1053	\$0.0104	\$0.1124	6.76%	\$0.0013	-87.40%
Silverado to On-System (Per Dth)	\$0.0626	\$0.0076	\$0.0837	33.70%	\$0.0009	-88.03%
Mission to On-System (Per Dth)	\$0.0626	\$0.0076	\$0.0837	33.70%	\$0.0009	-88.03%
Gas Schedule G-XF						
SFV Reservation Rates (Per Dth Per Month)	5.5594		5.8386	5.02%		
SFV Usage Rates Rates (Per Dth)	0.0035		0.0001	-97.41%		

Notes:

- 1) Rates are based on 1/1/2016 - Implementation of 2016 Annual Gas True-Up (Advice Letter 3664-G).
- 2) Rates are based on 8/1/2016 - Implementation of the 2015 Gas Transmission and Storage Decision Phase 1 (D.16-06-056) via AL 3727-G (noncore) and 3741-G (core)

PACIFIC GAS AND ELECTRIC COMPANY
COMPARISON OF GAS TRANSPORTATION RATES

Rate Schedules	1/1/2016 ⁽¹⁾	Average Rate No PPP	8/1/2016 ⁽²⁾	% Chg from Jan 1, 2016	Average Rate No PPP	% Chg from Jan 1, 2016
Comparison of Core Schedules:						
Residential (G-1, GM, GS, GT)						
<u>Transportation Charge (\$/Therm)</u>						
Tier 1	\$0.81592	\$1.00144	\$0.96817	18.66%	\$1.18831	18.7% Avg. Summer (Apr-Oct)
Tier 2	\$1.30547	\$0.97649	\$1.54907	18.66%	\$1.15870	18.7% Avg. Winter (Jan-Mar, Nov-Dec)
Average Rate from RTP		\$0.98803			\$1.17176	18.6% Avg. Annual
Residential Natural Gas Vehicle (G1-NGV)						
Customer Charge	\$0.41425		\$0.41425	0.00%		
Transportation Charge (\$/therm) implemented 2/1/06	\$0.52773		\$0.73955	40.14%		
Small Commercial (G-NR1)						
Customer Charge 0 - 5.0 therms (\$/day)	\$0.27048		\$0.27048	0.00%		
Customer Charge 5.1 - 16.0 therms (\$/day)	\$0.52106		\$0.52106	0.00%		
Customer Charge 16.1 - 41.0 therms (\$/day)	\$0.95482		\$0.95482	0.00%		
Customer Charge 41.1 - 123.0 therms (\$/day)	\$1.66489		\$1.66489	0.00%		
Customer Charge >123.1 therms (\$/day)	\$2.14936		\$2.14936	0.00%		
<u>Transportation Charge (\$/Therm)</u>						
Summer (1st 4,000)	\$0.47609	\$0.51360	\$0.65798	38.21%	\$0.69458	35.2% Avg. Summer
Summer (Excess)	\$0.19541		\$0.37104	89.88%		
Winter (1st 4,000)	\$0.59567	\$0.58214	\$0.77972	30.90%	\$0.76800	31.9% Avg. Winter
Winter (Excess)	\$0.24450	\$0.55228	\$0.43969	79.84%	\$0.73601	33.3% Avg. Annual
Large Commercial (G-NR2)						
<u>Customer Charge (\$/Day)</u>	\$4.95518		\$4.95518	0.00%		
<u>Transportation Charge (\$/Therm)</u>						
Summer (1st 4,000)	\$0.47609	\$0.22970	\$0.65798	38.21%	\$0.40600	76.8% Avg. Summer
Summer (Excess)	\$0.19541		\$0.37104	89.88%		
Winter (1st 4,000)	\$0.59567	\$0.28166	\$0.77972	30.90%	\$0.47582	68.9% Avg. Winter
Winter (Excess)	\$0.24450		\$0.43969	79.84%		
		\$0.25134			\$0.43507	73.1% Avg. Annual
Residential Transport-Only (G-CT)						
<u>Transportation Charge (\$/Therm)</u>						
Tier 1	\$0.81592		\$0.96817	18.66%		
Tier 2	\$1.30547		\$1.54907	18.66%		
Small Commercial Transport-Only (G-CT)						
<u>Transportation Charge (\$/Therm)</u>						
Summer (1st 4,000)	\$0.47609		\$0.65798	38.21%		
Summer (Excess)	\$0.19541		\$0.37104	89.88%		
Winter (1st 4,000)	\$0.59567		\$0.77972	30.90%		
Winter (Excess)	\$0.24450		\$0.43969	79.84%		
Large Commercial Transport-Only (G-CT)						
<u>Transportation Charge (\$/Therm)</u>						
Summer (1st 4,000)	\$0.47609		\$0.65798	38.21%		
Summer (Excess)	\$0.19541		\$0.37104	89.88%		
Winter (1st 4,000)	\$0.59567		\$0.77972	30.90%		
Winter (Excess)	\$0.24450		\$0.43969	79.84%		
Natural Gas Vehicle - Uncompressed (G-NGV1)						
Customer Charge (\$/Day)	\$0.44121		\$0.44121	0.00%		
Transportation Charge (\$/Therm)	\$0.16210	\$0.16330	\$0.34583	113.34%	\$0.34703	112.5%
Natural Gas Vehicle - Compressed (G-NGV2)						
Customer Charge (\$/Day)	\$0.00		\$0.00	0.00%		
Transportation Charge (\$/Therm)	\$1.74100	\$1.74100	\$1.92473	10.55%	\$1.92474	10.6%
G-PPP CORE CUSTOMERS						
Residential Non-Care	\$0.10197		\$0.10197	0.00%		
Residential CARE	\$0.08026		\$0.08026	0.00%		
Small Commercial	\$0.04371		\$0.04371	0.00%		
Large Commercial	\$0.10273		\$0.10273	0.00%		
Natural Gas Vehicle	\$0.02433		\$0.02433	0.00%		

Notes:

- 1) Rates are based on 1/1/2016 - Implementation of 2016 Annual Gas True-Up (Advice Letter 3664-G).
- 2) Rates are based on 8/1/2016 - Implementation of the 2015 Gas Transmission and Storage Decision Phase 1 (D.16-06-056) via AL 3727-G (noncore) and 3741-G (core)

PACIFIC GAS AND ELECTRIC COMPANY
COMPARISON OF GAS TRANSPORTATION RATES

Rate Schedules	1/1/2016 ⁽¹⁾	Average Rate No PPP	8/1/2016 ⁽²⁾	% Chg from Jan 1, 2016	Average Rate No PPP	% Chg from Jan 1, 2016
Comparison of Noncore Schedules						
Industrial (G-NT)						
<u>Customer Access Charge (\$/Day)</u>						
0 to 5,000 therms	\$2.04230		\$1.22499	-40.0%		
5,001 to 10,000 therms	\$6.08351		\$3.64899	-40.0%		
10,001 to 50,000 therms	\$11.32274		\$6.79167	-40.0%		
50,001 to 200,000 therms	\$14.85962		\$8.91321	-40.0%		
200,001 to 1,000,000 therms	\$21.56022		\$12.93205	-40.0%		
1,000,001 therms and above	\$182.88493		\$109.69808	-40.0%		
<u>Transportation Charge (\$/Therm)</u>						
Backbone	0.01184	\$0.01345	0.01255	6.00%	\$0.01339	-0.4%
Transmission	\$0.04468	\$0.04658	\$0.11980	168.13%	\$0.12083	159.4%
Distribution (Summer) Tier 1	\$0.24538	\$0.19478	\$0.32498	32.44%	\$0.26990	38.6%
Distribution (Summer) Tier 2	\$0.17013		\$0.24811	45.84%		
Distribution (Summer) Tier 3	\$0.15476		\$0.23240	50.17%		
Distribution (Summer) Tier 4	\$0.14274		\$0.22012	54.21%		
Distribution (Summer) Tier 5	\$0.04468		\$0.11980	168.13%		
Distribution (Winter) Tier 1	\$0.31803		\$0.39920	25.52%		
Distribution (Winter) Tier 2	\$0.21645		\$0.29543	36.49%		
Distribution (Winter) Tier 3	\$0.19569		\$0.27422	40.13%		
Distribution (Winter) Tier 4	\$0.17947		\$0.25765	43.56%		
Distribution (Winter) Tier 5	\$0.04468		\$0.11980	168.13%		
G-PPP Noncore Customers						
Backbone/Transmission	\$0.03222		\$0.03222	0.00%		
Distribution	\$0.04379		\$0.04379	0.00%		
Electric Generation G-EG						
<u>Transportation Charge:</u>						
Backbone Transportation Charge (\$/therm)	0.01223	\$0.01242	0.01294	5.81%	\$0.01315	5.9%
Distribution/Transmission Charge (\$/Therm)	\$0.03547	\$0.03658	\$0.11060	211.81%	\$0.11126	204.2%
Wholesale G-WSL						
<u>Customer Access Charge (\$/Day)</u>						
Palo Alto	\$160.11123		\$86.50849	-45.97%		
Coalinga	\$48.02071		\$25.94532	-45.97%		
West Coast Gas-Mather	\$25.49195		\$13.77337	-45.97%		
West Coast Gas - Castle	\$27.89523		\$15.07167	-45.97%		
Island Energy	\$32.53578		\$17.57918	-45.97%		
Alpine Natural Gas	\$10.85819		\$5.86652	-45.97%		
<u>Transportation Charge (\$/Therm)</u>						
Palo Alto	\$0.03042	\$0.03225	\$0.10553	246.91%	\$0.10656	230.4%
Coalinga	\$0.03042	\$0.03725	\$0.10553	246.91%	\$0.10945	193.8%
West Coast Gas - Mather (Transmission)	\$0.03042	\$0.04015	\$0.10553	246.91%	\$0.11056	175.4%
West Coast Gas - Mather (Distribution)	\$0.28668	\$0.29641	\$0.36179	26.20%	\$0.36683	23.8%
West Coast Gas - Castle (Distribution)	\$0.22394	\$0.23965	\$0.29905	33.54%	\$0.30775	28.4%
Island Energy	\$0.03042	\$0.05683	\$0.10553	246.91%	\$0.12172	114.2%
Alpine Natural Gas	\$0.03042	\$0.03638	\$0.10553	246.91%	\$0.10908	199.8%
Natural Gas Vehicle - Uncompressed (G-NGV4)						
<u>Customer Access Charge (\$/Day)</u>						
0 to 5,000 therms	\$2.04230		\$1.22499	-40.0%		
5,001 to 10,000 therms	\$6.08351		\$3.64899	-40.0%		
10,001 to 50,000 therms	\$11.32274		\$6.79167	-40.0%		
50,001 to 200,000 therms	\$14.85962		\$8.91321	-40.0%		
200,001 to 1,000,000 therms	\$21.56022		\$12.93205	-40.0%		
1,000,001 therms and above	\$182.88493		\$109.69808	-40.0%		
<u>Transportation Charge (\$/Therm)</u>						
Transmission	\$0.03509	\$0.03699	\$0.11020	214.05%	\$0.11124	200.8%
Distribution (Summer) Tier 1	\$0.24538	\$0.19478	\$0.32498	32.44%	\$0.26990	38.6%
Distribution (Summer) Tier 2	\$0.17013		\$0.24811	45.84%		
Distribution (Summer) Tier 3	\$0.15476		\$0.23240	50.17%		
Distribution (Summer) Tier 4	\$0.14274		\$0.22012	54.21%		
Distribution (Summer) Tier 5	\$0.03509		\$0.11020	214.05%		
Distribution (Winter) Tier 1	\$0.31803		\$0.39920	25.52%		
Distribution (Winter) Tier 2	\$0.21645		\$0.29543	36.49%		
Distribution (Winter) Tier 3	\$0.19569		\$0.27422	40.13%		
Distribution (Winter) Tier 4	\$0.17947		\$0.25765	43.56%		
Distribution (Winter) Tier 5	\$0.03509		\$0.11020	214.05%		
Liquefied Natrual Gas (G-LNG)	\$0.17429		\$0.24827	42.45%		
G-PPP Natural Gas Vehicle/Liquid Natural Gas	\$0.02433		\$0.02433	0.00%		

Notes:

- 1) Rates are based on 1/1/2016 - Implementation of 2016 Annual Gas True-Up (Advice Letter 3664-G).
- 2) Rates are based on 8/1/2016 - Implementation of the 2015 Gas Transmission and Storage Decision Phase 1 (D.16-06-056) via AL 3727-G (noncore) and 3741-G (core)

EXHIBIT B

Proposed Changes in Electric Rates

Pacific Gas and Electric Company
Proposed Changes to Electric Rates

ELECTRIC RATES									
		10/1/2016 Present (A)	1/1/2019 Proposed (B)	Rate Change (B) - (A)	% Change	10/1/2016 Present (C)	1/1/2019 Proposed (D)	Rate Change (D) - (C)	% Change
	Customer Class								
	Residential	19.63	19.85	0.22	1.1%	13.99	14.24	0.25	1.8%
	CARE	12.85	13.00	0.14	1.1%	4.79	4.94	0.15	3.2%
	Non-CARE	22.00	22.25	0.25	1.1%	15.36	15.63	0.27	1.8%
	Small Commercial	22.58	22.83	0.25	1.1%	14.70	14.96	0.25	1.7%
	Medium Commercial	19.83	19.99	0.16	0.8%	11.10	11.25	0.16	1.4%
	Large Commercial (E-19)	17.05	17.17	0.12	0.7%	8.58	8.70	0.12	1.4%
	E-19 T	12.83	12.87	0.04	0.3%	N/A ⁽²⁾	N/A ⁽²⁾	N/A	N/A
	E-19 P	15.81	15.91	0.10	0.6%	8.22	8.32	0.10	1.2%
	E-19 S	17.16	17.28	0.12	0.7%	8.60	8.72	0.12	1.4%
	Streetlight	21.69	21.83	0.14	0.7%	8.86	9.01	0.14	1.6%
Standby	16.32	16.43	0.11	0.7%	7.76	7.81	0.05	0.6%	
Agriculture	17.25	17.42	0.17	1.0%	16.17	16.48	0.31	1.9%	
Industrial (E-20)	13.60	13.66	0.06	0.5%	5.69	5.74	0.06	1.0%	
ELECTRIC BILLS									
		Non-CARE				CARE			
		10/1/2016	1/1/2019	Bill Change	% Change	10/1/2016	1/1/2019	Bill Change	% Change
	Customer								
	Residential								
	350 kWh	\$61.35	\$62.08	\$0.73	1.2%	\$38.26	\$38.73	\$0.47	1.2%
	500 kWh	\$97.77	\$98.90	\$1.13	1.2%	\$60.52	\$61.24	\$0.72	1.2%
	700 kWh	\$156.10	\$157.87	\$1.78	1.1%	\$94.46	\$95.56	\$1.10	1.2%
	Small Commercial	\$289.73	\$292.97	\$3.25	1.1%	N/A	N/A	N/A	N/A

Notes:

- (1) Rates are rounded to two decimal places for presentation purposes. % Change based on rates carrying additional digits.
(2) There no DA/CCA customers on E-19T.

EXHIBIT C

2015 Summary of Earnings

PACIFIC GAS AND ELECTRIC COMPANY
REVENUE, EXPENSE, RATE BASE AND RATE OF RETURN
YEAR 2015 SUMMARY OF EARNINGS
RECORDED ADJUSTED FOR RATEMAKING
(000\$)

Line No.		Total Utility Operations
1	Operating Revenue	16,995,959
2	Expenses	
3	Operation & Maintenance Expense	11,343,046
4	Depreciation	2,545,957
5	Taxes	919,152
6	Other	62,920
7	Total Expenses	<u>14,871,075</u>
8	Operating Income	2,124,884
9	Weighted Average Rate Base	30,305,380
10	Return on Rate Base	7.01%

EXHIBIT D

Affected Governmental Entities

SERVICE OF NOTICE OF APPLICATION

In accordance with Rule 3.2(b), Applicant will mail a notice to the following, stating in general terms its proposed change in rates.

State of California

To the Attorney General and the Department of General Services.

State of California
Office of Attorney General
1300 I St Ste 1101
Sacramento, CA 95814

and

Department of General Services
Office of Buildings & Grounds
505 Van Ness Avenue, Room 2012
San Francisco, CA 94102

Counties

To the County Counsel or District Attorney and the County Clerk in the following counties:

Alameda	Mariposa	Santa Clara
Alpine	Mendocino	Santa Cruz
Amador	Merced	Shasta
Butte	Modoc	Sierra
Calaveras	Monterey	Siskiyou
Colusa	Napa	Solano
Contra Costa	Nevada	Sonoma
El Dorado	Placer	Stanislaus
Fresno	Plumas	Sutter
Glenn	Sacramento	Tehama
Humboldt	San Benito	Trinity
Kern	San Bernardino	Tulare
Kings	San Francisco	Tuolumne
Lake	San Joaquin	Yolo
Lassen	San Luis Obispo	Yuba
Madera	San Mateo	
Marin	Santa Barbara	

Municipal Corporations

To the City Attorney and the City Clerk of the following municipal corporations:

Alameda	Colusa	Hanford
Albany	Concord	Hayward
Amador City	Corcoran	Healdsburg
American Canyon	Corning	Hercules
Anderson	Corte Madera	Hillsborough
Angels Camp	Cotati	Hollister
Antioch	Cupertino	Hughson
Arcata	Daly City	Huron
Arroyo Grande	Danville	Ione
Arvin	Davis	Isleton
Atascadero	Del Rey Oaks	Jackson
Atherton	Dinuba	Kerman
Atwater	Dixon	King City
Auburn	Dos Palos	Kingsburg
Avenal	Dublin	Lafayette
Bakersfield	East Palo Alto	Lakeport
Barstow	El Cerrito	Larkspur
Belmont	Elk Grove	Lathrop
Belvedere	Emeryville	Lemoore
Benicia	Escalon	Lincoln
Berkeley	Eureka	Live Oak
Biggs	Fairfax	Livermore
Blue Lake	Fairfield	Livingston
Brentwood	Ferndale	Lodi
Brisbane	Firebaugh	Lompoc
Buellton	Folsom	Loomis
Burlingame	Fort Bragg	Los Altos
Calistoga	Fortuna	Los Altos Hills
Campbell	Foster City	Los Banos
Capitola	Fowler	Los Gatos
Carmel	Fremont	Madera
Ceres	Fresno	Manteca
Chico	Galt	Maricopa
Chowchilla	Gilroy	Marina
Citrus Heights	Gonzales	Mariposa
Clayton	Grass Valley	Martinez
Clearlake	Greenfield	Marysville
Cloverdale	Gridley	McFarland
Clovis	Grover Beach	Mendota
Coalinga	Guadalupe	Menlo Park
Colfax	Gustine	Merced
Colma	Half Moon Bay	Mill Valley

Millbrae
Milpitas
Modesto
Monte Sereno
Monterey
Moraga
Morgan Hill
Morro Bay
Mountain View
Napa
Newark
Nevada City
Newman
Novato
Oakdale
Oakland
Oakley
Orange Cove
Orinda
Orland
Oroville
Pacific Grove
Pacifica
Palo Alto
Paradise
Parlier
Paso Robles
Patterson
Petaluma
Piedmont
Pinole
Pismo Beach
Pittsburg
Placerville
Pleasant Hill
Pleasanton
Plymouth
Point Arena
Portola
Portola Valley
Rancho Cordova
Red Bluff
Redding
Redwood City
Reedley
Richmond

Ridgecrest
Rio Dell
Rio Vista
Ripon
Riverbank
Rocklin
Rohnert Park
Roseville
Ross
Sacramento
Saint Helena
Salinas
San Anselmo
San Bruno
San Carlos
San Francisco
San Joaquin
San Jose
San Juan Bautista
San Leandro
San Luis Obispo
San Mateo
San Pablo
San Rafael
San Ramon
Sand City
Sanger
Santa Clara
Santa Cruz
Santa Maria
Santa Rosa
Saratoga
Sausalito
Scotts Valley
Seaside
Sebastopol
Selma
Shafter
Shasta Lake
Soledad
Solvang
Sonoma
Sonora
South San Francisco
Stockton
Suisun City

Sunnyvale
Sutter Creek
Taft
Tehama
Tiburon
Tracy
Trinidad
Turlock
Ukiah
Union City
Vacaville
Vallejo
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Walnut Creek
Wasco
Waterford
Watsonville
West Sacramento
Wheatland
Williams
Willits
Willows
Windsor
Winters
Woodland
Woodside
Yountville
Yuba City